

**Village of North Hudson
Finance/Village Board Meeting**

October 6, 2020

**Issue Statement
By: Melissa Luedke**

Topic

Purchase of air purifiers for the Village Hall.

Background

Due to COVID-19, air purifiers for the Village Hall would be beneficial for the health of Village employees. The coronavirus, as well as other viruses such as the flu, are believed to be spread through airborne particles or droplets which can travel for a great distance.

These commercial grade air purifiers include HEPA filters and are designed to capture 99.97% of airborne particles. This is a preventative measure that would result in cleaner air and a cleaner work space for the employees, which hopefully will allow employees to stay healthier. The costs for the air purifiers are as follows:

- \$1,499.98-AeraMax PRO AM 3 PC Air Purifier 120V-For the General Government offices (Deputy Clerk/Treasurer), is approximately 650 sq ft. This model covers 300-700 sq ft.
- \$1,499.98-AeraMax PRO AM 3PC Air Purifier 120V-For the Police Department.
- \$2,399.98-AeraMAX PRO AM 4 PC Air Purifier 120V-For the Village Board Room and Conference Room which is approximately 900 sq ft. This model covers 600-1400 sq ft.
- \$149.99 x 2-Guardian True HEPA Filter Air Purifier-For the Village Administrator and Public Works Director offices. This would fill the void in the General Government office space.

The costs are 100% reimbursable through the Routes to Recovery Grant that is being offered due to COVID-19.

Recommendation

Motion to purchase air purifiers as recommended due to COVID-19 for the Village Hall in an amount not to exceed \$6,500, and submit the expense through the Routes to Recovery Grant for reimbursement.

AIR PURIFIERS

The air purifiers that I have been looking at are Aeramax Pro's. They can be either wall mounted or put on a stand, depending on your needs. After doing research, I have found that the fan levels go between 42 db and 68 db. However, if they are on "Auto Mode" they will be running continuously. This would mean that the noise level would likely be at 42 db when it senses it needs to run. For information as to how noisy 42 db the following are comparable noise levels:

- 1) A modern refrigerator
- 2) A computer
- 3) A babbling brook
- 4) Quiet Library Sounds

When these are first turned on, they will likely be loud because they are trying to get the air in the room clean, so they would be working until that happened. The absolute loudest that it could be is 68 db, which is comparable to the following noise levels:

- 1) Vacuum cleaner
- 2) Hair Dryer
- 3) Air Conditioner

There are three types of Air Purifiers that should be considered. Each one has a specific use depending on the size of the area that it will be put in.

Individuals Offices- \$149.99 for an air purifier. The model that I suggest has an additional UV sanitizer that disinfects the air as well.

For the General Government Offices- Between \$1,499.98 to \$1,679.98 depending on if you want a stand. This covers an area between 300 and 700 square feet. The GG offices are 650 sq ft.

For the Board and Conference Room- Between \$2,399.98 to \$2,579.99 depending on if you want a stand. This covers an area between 600 and 1400 square feet. The Board and Conference Room is 900 sq ft.

Clean Air, Cleaner Facility

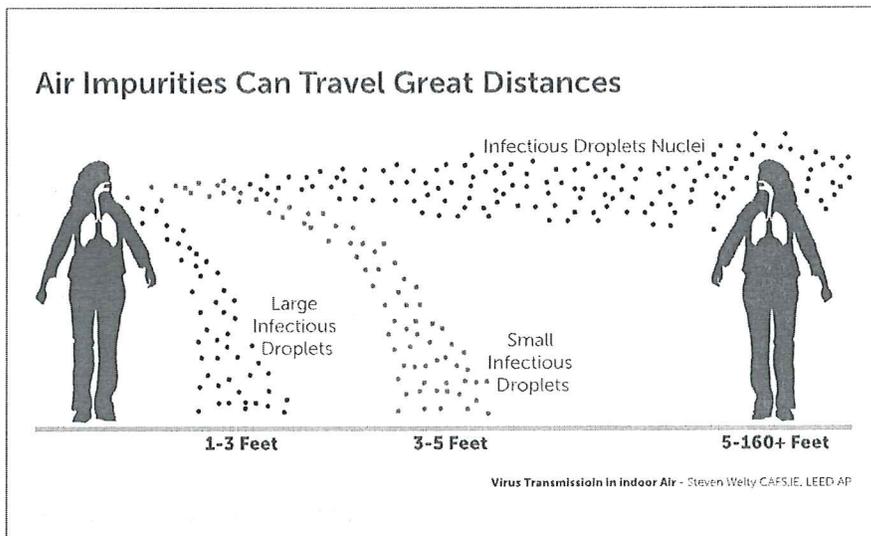
Removing the Airborne Flu Virus

Most experts think that flu viruses are spread mainly by droplets made when people with flu cough, sneeze or talk. These droplets can land in the mouths or noses of people who are nearby or possibly be inhaled into the lungs.



<http://www.cdc.gov/flu/about/disease/spread.htm>

AeraMax Professional's hospital-type filtration includes True HEPA filters that capture 99.97% of airborne particles as small as 0.3microns.



AeraMax® Professional Captures the Airborne Flu Virus

The AeraMax Professional Air Purifier was demonstrated to be effective in reducing airborne concentrations of influenza A aerosol in a test chamber, reaching 99.99% airborne virus reduction within the first 35 min of operation.

*Independent Laboratory Influenza Study – March 2015

AERA MAX
PROFESSIONAL



Scientists Agree: The Airborne Transmission of COVID19 is a Real Risk

Recent news on COVID-19 airborne threat

Until now, there have been conflicting messages related to the risk of the airborne transmission of COVID-19. A group of 239 scientists in 32 countries have published their open letter to global health community to present the evidence.

In their letter, the highly qualified group state:

- Multiple studies “have demonstrated **beyond any reasonable doubt that viruses are released during exhalation, talking, and coughing in microdroplets small enough to remain aloft in the air**”.
- These microdroplets “**pose a risk of exposure at distances beyond [3 to 6 feet] from an infected individual**”.
- “we are **advocating** for the **use of preventive measures to mitigate** this route of airborne transmission.”

Read the full text of the letter: [It is Time to Address Airborne Transmission of COVID-19](#)

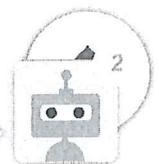
What we know about COVID-19

As discussed above, the highly qualified group of 239 scientists highlight in their open letter that multiple studies:

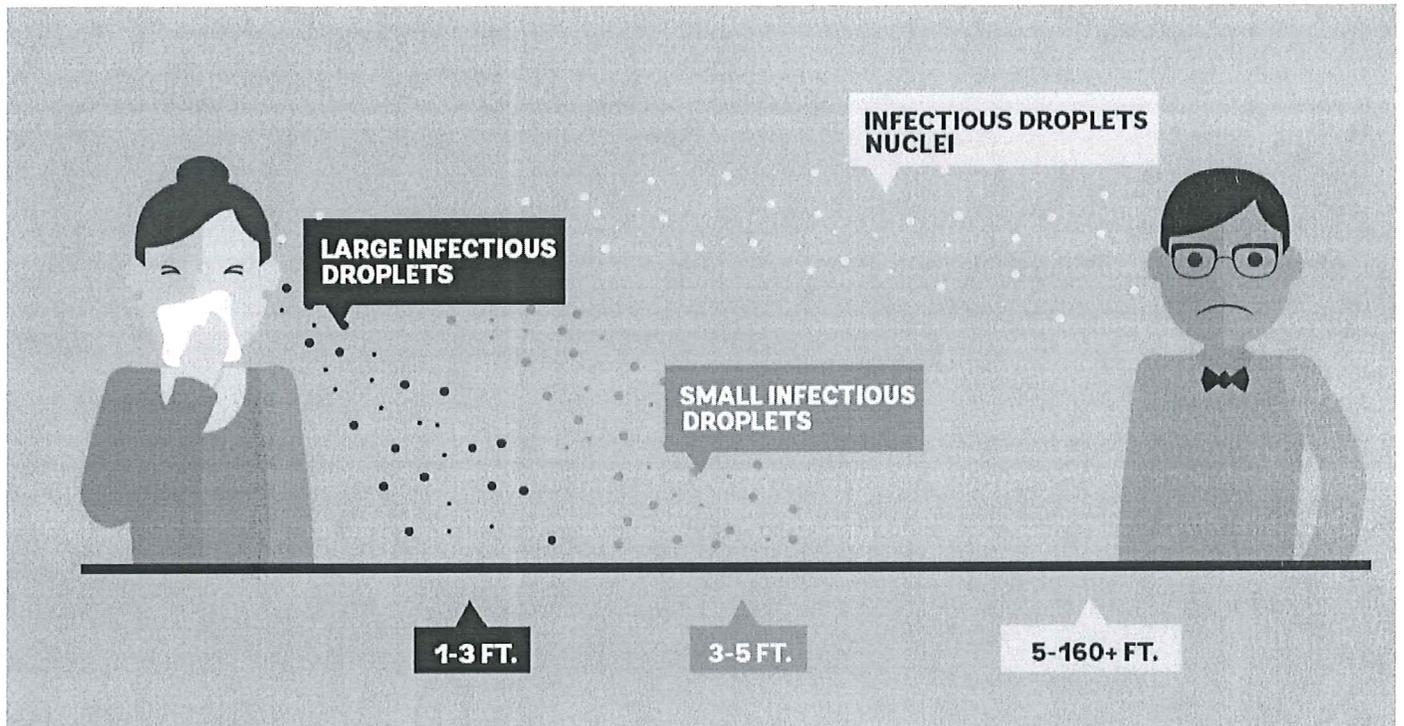
“have demonstrated beyond any reasonable doubt that viruses are released during exhalation, talking, and

REQUEST INFORMATION

Welcome to AeraMax Professional! Want to have your air quality tested?



[ABOUT US](#) [NEWS & EVENTS](#) [BLOG](#) [CONTACT US](#)



Surfaces and COVID-19

While it's believed that COVID-19 spreads from person-to-person contact, officials haven't ruled out surface contact as a potential source of contagion. It's just too early to tell.

In fact, recent tests on the coronavirus COVID-19 showed it can stay active on various surfaces. Researchers found viable coronavirus samples could live for up to:

- 24 hours on cardboard
- four hours on copper surfaces
- two to three days on plastic and stainless steel.

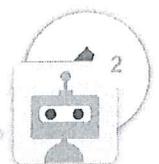
During tests, the researchers also found the **coronavirus could be detected in the air up to three hours after emission**, making it vital that people clean the air.

The importance of cleaning

While the majority of COVID-19 cases are derived from

REQUEST INFORMATION

Welcome to AeraMax Professional! Want to have your air quality tested?



ABOUT US NEWS & EVENTS BLOG CONTACT US



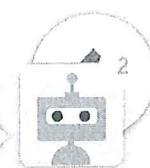
Where AeraMax Professional can help

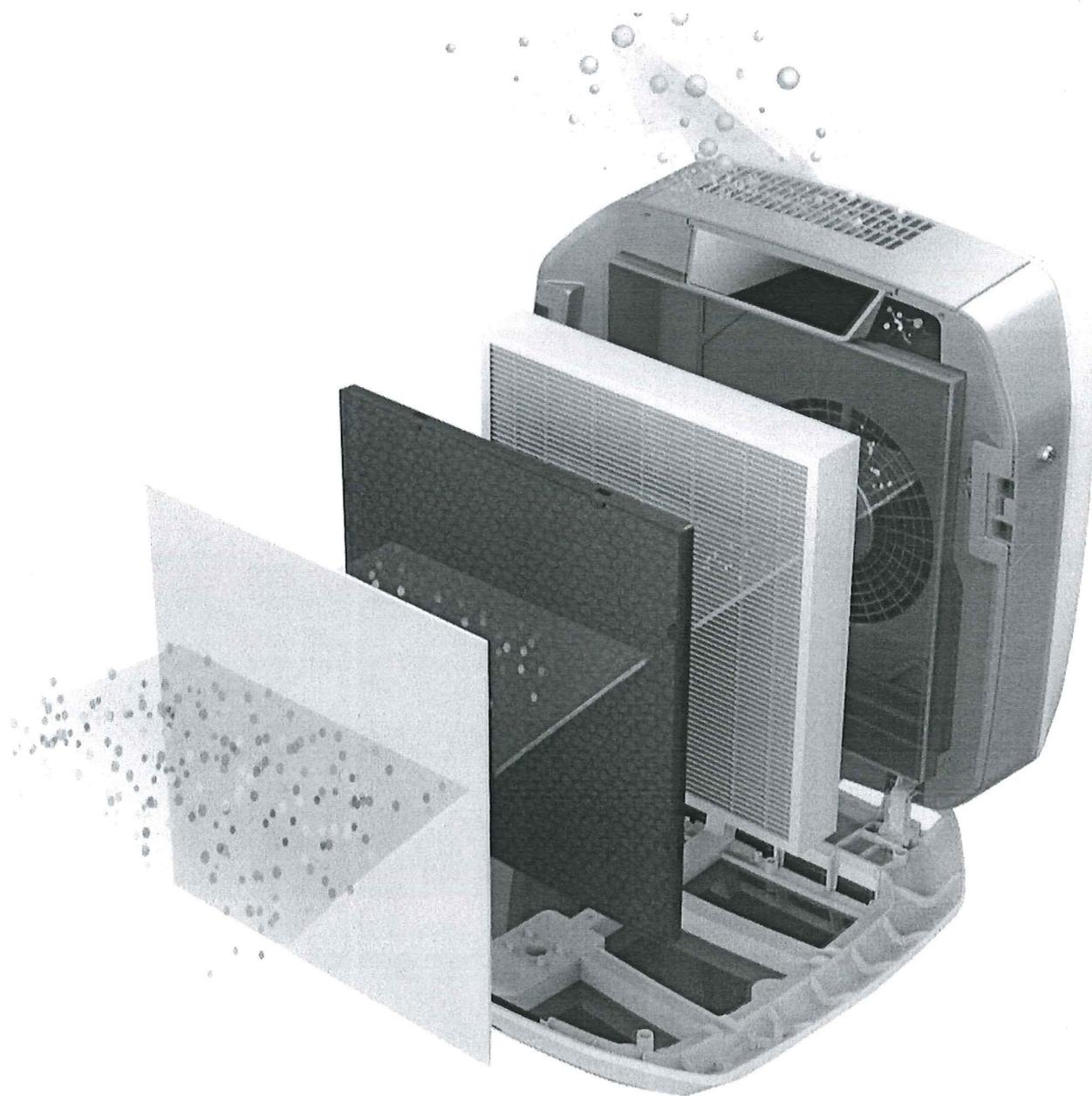
We do know that AeraMax Professional air purifiers can mitigate additional pathogens in the air where people are infected, removing pollutants from air and reducing risks for people already infected.

AeraMax Professional air purifiers:

- are certified to be effective in reducing airborne concentrations of influenza A (H1N1) aerosol in a test chamber, reaching 99.9% airborne virus reduction within the first 35 minutes of operation.
- are certified to capture 99.97% of pollutants at 0.3 microns
- can capture more than 97.8% of pollutants at 0.1-0.15 microns, via IBR Laboratories test data.

Welcome to AeraMax Professional! Want to have your air quality tested?

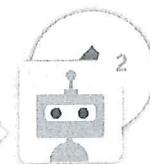




What's more, an AeraMax Professional III with PureView Technology can sense when airborne contamination is present in a room, automatically adjusting cleaning to remove the offending particles from the air. This is ideal for places like assisted living facilities, where residents already have compromised immune and respiratory systems.

Related Posts:

Welcome to AeraMax Professional! Want to have your air quality tested?



*General Gov. Offices
& PD Dept.*

AeraMax PRO AM 3 PC Air Purifier 120V



PureView shows the status of the current room air quality including percentage of particles captured and removed from the air

Cleans 300 to 700 square feet

Display Screen shows PM 2.5 and PM 10 air quality – making the invisible, visible!

EnviroSmart™ 2.0 includes dual self-regulating laser particle counters, VOC, audio and motion sensors

VOC/odor level display

Filter replacement, life & reorder information

Brightness adjustment, standby and off



Be the first to

Review this Product

\$1,499.98

1

ADD TO CART

FREE SHIPPING on orders over \$99

OVERVIEW

SPECS

FEATURES

SUPPORT

REVIEWS

AeraMax PRO AM 3 Air Purifier



The AeraMax Professional III is an ideal commercial air purifier for medium-sized rooms, with CFM to cover areas from 300 to 700 square feet. It's great for public restrooms, exam areas, smaller lobbies and waiting rooms, offering occupants the opportunity to breathe in air that's virtually free of airborne contaminants.

AeraMax Pro AM 3 PC Features



AeraMax PRO AM 4 PC Air Purifier 120V

PureView shows the status of the current room air quality including percentage of particles captured and removed from the air

Cleans air 600 to 1400 square feet

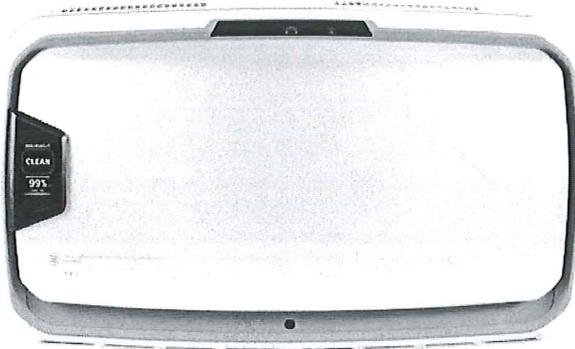
Display Screen shows PM 2.5 and PM 10 air quality – making the invisible, visible!

EnviroSmart™ 2.0 includes dual self-regulating laser particle counters, VOC, audio and motion sensors

VOC/odor level display

Filter replacement, life & reorder information

Brightness adjustment, standby and off



Be the first to

Review this Product

\$2,399.98

1

ADD TO CART

FREE SHIPPING on orders over \$99

OVERVIEW

SPECS

FEATURES

SUPPORT

REVIEWS

Certification

CARB Certified
Energy Star Certified
FCC
UL Listed

Color

Stainless

CRC

95731

Filter Type

True HEPA with AeraSafe™ Antimicrobial Treatment
Activated Carbon
Pre-filter

Item H x W x D (inches)

19.50 x 37.00 x 9.50

Item Number

9573101

Model Number

AERAMAX PRO AM 4 PC

PlasmaTrue™ Technology

PlasmaTrue™ Technology

Qty Per Pack

1

Retail Pack Weight (lbs)

0.00

Room Size (Sq Ft)

600-1400

UPC Code

043859722150

Warranty

5 Yr Limited

Features

PlasmaTrue™ Technology
EnviroSmart Sensor

Change Filter Light Indicator

Yes

EAN/UPC/CS Code

;043859722150;50043859722155

Filter Change Type

Front Panel



All ▾ air purifier virus

Hello, Sign in
Account & Lists ▾

Returns
& Orders

Try Prime ▾

1
Cart

Subtotal
\$199.99

Hello
Select your address

Best Sellers

Customer Service

AmazonBasics

New Releases

Today's Deals

Explore hobby inspiration

Health & Personal Care

Household Supplies

Vitamins & Diet Supplements

Baby & Child Care

Health Care

Sports Nutrition

Sexual Wellness



Your medication, delivered

Learn more >

Back to results



Roll over image to zoom in



VIDEO

Guardian True
Filter Air
with UV
Sanitizer,
Eliminates Germs,
Filters Allergies,
Pollen, Smoke, Dust,
Mold, Dander, Mold,
Quiet 28in 4-
in 1 Air Purifier for
AC5350B

Guardian Technologies

1,958 ratings

\$149.99 & FREE

Shipping. Details
& FREE Returns

Instantly: Pay
\$139.99 upon approval
with Amazon Store Card. No

Get a lower price from
other sellers that may not offer
free Prime shipping.

Returnable within 30 days of
receipt | Free Amazon product
support included

Style: AC5350BCA

FLT5000
\$32.99

AC5350BCA
\$149.99

AC5350W
\$144.97

- 4 in1 air purifier: True HEPA air filter reduces up to 99.97% of harmful dust, pollen, pet dander, mold spores, and other allergens as small as .3 microns from the air; Input voltage: AC120 volt; 60 hertz
- Kills germs: UV-C light helps kill airborne viruses such as influenza, staph, rhinovirus, and works with Titanium Dioxide to reduce volatile organic compounds
- Traps allergens: Pre filter traps dust, pet hair, and other large particles while extending the life of the HEPA filter

Share

\$149.99

& FREE Shipping. Details
& FREE Returns

Arrives: Friday, Oct 2 Details

Fastest delivery: Saturday, Sep 26

Order within 8 hrs and 35 mins
Details

In Stock.

Qty: 1

Add to Cart

Buy Now

Secure transaction

Ships from ... Amazon.com

Sold by ... Amazon.com

Packaging ... Item arrives in packag...

Details

Add a Protection Plan:

- 4-Year Protection for \$29.99
- 3-Year Protection for \$21.99

Add an Accessory:

- GermGuardian Air Purifier Filter FLT5000 Genuine H... \$32.99
- GermGuardian LB4000 Genuine UV-C Replacement Bulb ... \$22.24
- Guardian Technologies GermGuardian Air Purifier Ge... \$22.19

Add gift options

Select delivery location

Add to List

Add to Wedding Registry

New & Used (3) from
\$135.41 + FREE Shipping

Share

Have one to sell?

Sell on Amazon

For individual
offices