

Appendix A – ARPA Submission Format

Project

Replacement of City Hall Heating Ventilation Air Conditioning (HVAC) Units

Justification

Newberg City Hall is served by two (2) roof top twenty-five (25) ton HVAC roof top units. These two units provide all heating and air conditioning for the entire city hall building, operating 24/7 to provide continuous fresh air exchange and ventilation for city hall.

These 23-year-old units are at the end of life, with one unit having experienced multiple failures, and repeated repairs. The city's HVAC maintenance contractor has had to modify them from their normal operational specifications to keep them operating to meet the current OR-OSHA Covid requirements for continuous air circulation for the building.

Should the units experience catastrophic failure, continuous air circulation, heating, or cooling of the building will cease, and will no longer be occupiable. City Hall is a necessary facility to provide the required administrative functions of the city departments in response to the current Covid pandemic, and failure of the HVAC units will have a very significant negative impact on the city's ability to meet the operational needs of city, and staff to provide adequate emergency response to the current Covid pandemic and maintain essential city functions.

Replacement of two (2) twenty-five (25) Ton HVAC Units - \$260,000

Bid quotes have been received, and selected for the replacement of the HVAC Units, and includes all materials, equipment, and labor for the removal, replacement, installation, and operational startup of the new HVAC units.

Recent inflationary cost increases due to material demand and shortages have increased the replacement costs 62% over the last 18 months and will increase another 10 % in January of 2022. There is a current four (4) month minimum lead time on replacement of these units, and it is imperative that replacement of the HVAC units proceeds as soon as possible.

Project Sustainability

Replacing the 2 HVAC units will include HEPA filter capabilities, increase building heating and cooling efficiency, reduce overall HVAC operational utility costs, and ensure continued air circulation and safe occupancy of city hall in all temperatures by city staff, community members, and other facility visitors.

The replacement units are manufactured in the United States and will be provided and installed by a contractor that is local to the metro region. New units will receive a high level of service and maintenance under the recently approved HVAC service contract with a local vendor, to ensure and extended operational life of the units.

ARPA expenditure categories (EC):

99-1700-571002

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Project

Bluezone Air Purification Units

Justification

Bluezone Air Purification Units are a portable air purification Unit utilizing a patented, air-cleaning technology that kills up to 99.9995% of viruses in the air, including the SARS-CoV-2 virus that causes COVID-19.

Units work by pulling air into a chamber where it is scrubbed with an ultraviolet germicidal light process that destroys a virus' RNA. This eliminates the ability for it to replicate itself, protecting both staff and guests. The Bluezone technology is so effective the Center for Disease Control and the Food and Drug Administration recommend it as being effective against airborne transmission.

Units placed in city buildings and facilities will provide air purification for an enhanced level of protection in preventing airborne transmission in enclosed facilities, for city staff, community members, and other facility visitors.

Estimated cost of 14 units - \$45,000

This includes all associated cost of the complete portable units, including shipping. Installation and implementation of the units in city facilities can be completed within 90 days or less of approval.

Public Safety

1. Emergency Dispatch Center
2. Patrol Reporting/Day Room
3. Administrative Office-Lobby

City Hall

1. 2nd Floor Administrative Offices
2. 1st Floor Administrative Offices
3. 1st Floor Conference Room
4. Ground Floor Engineering Offices

Library

1. Upper Floor - Reference /North Section
2. Upper Floor - Carnegie Section
3. Lower Floor - Children's Section

Public Works

1. WWTP Conference Room
2. WTP Operations Room
3. PWM Building "A" Conference/Meeting room
4. PWM Building "B" Conference/Meeting room

Project Sustainability

Providing work and meeting spaces with and air purification that kills 99.9995% or airborne viruses, including SARS-Cov-2 will reduce potential exposures to staff and public in city facilities, reducing the economic impacts to the city, staff, and citizens from illness due to potential exposure to Covid. This will also reduce exposure to other airborne illnesses. and lost time, and is certified to reduce

Units are manufactured locally (Tualatin, Oregon) Each unit is portable, requiring a standard electrical plug in, and are guaranteed for 8,800 hours of operation (One Year) before the UV light bulbs require replacement.

Sustainable operations of the units is maintained through annual replacement of the UV light bulbs.

ARPA expenditure categories (EC):

99-1400-571001

These units can fall under multiple applicable Codes

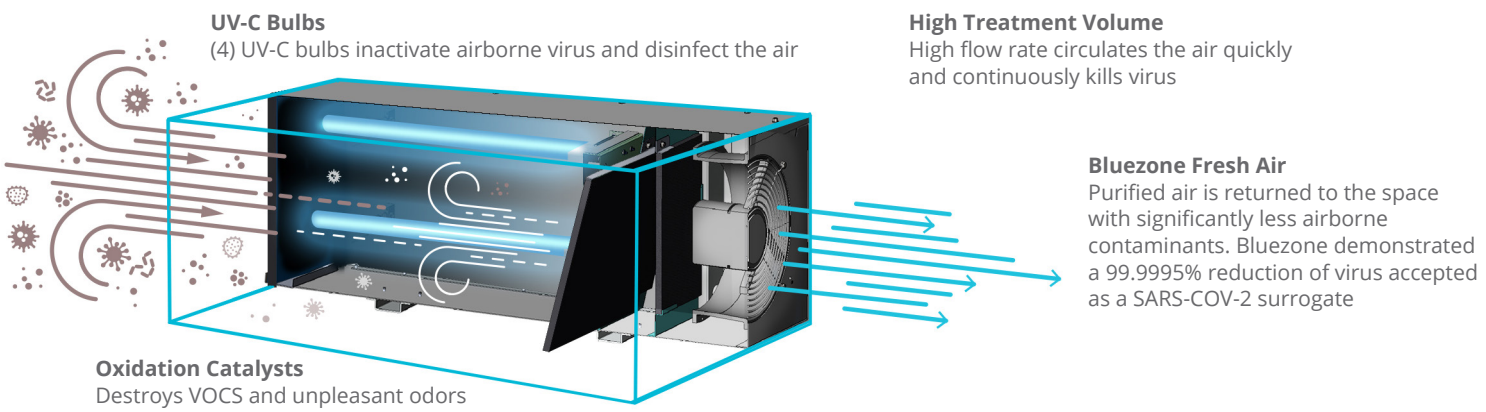
- 1.4
- 1.5
- 1.7
- 1.12



Uses FDA and CDC recommended germicidal UV-C to mitigate virus transmission

Kills 99.9995% of Airborne Virus

Certified by the Israeli Ministry of Health as 1 of 4 air purifiers that is both effective and safe against SARS-CoV-2.



Award-Winning, U.S. Military Developed Air Purification Technology

Installed in all U.S. aircraft carriers

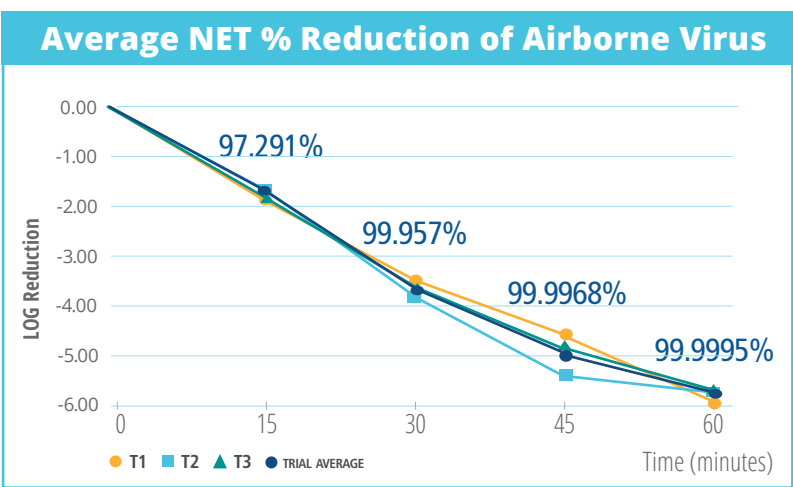
NATIONAL RESTAURANT ASSOCIATION
Kitchen Innovation Award

SBIR · STTR
America's Seed Fund
U.S. Army Achievement Award

MIDDLEBY
Licensing Partner

Middleton FAMILY MEDICINE
URGENT CARE
Virus transmission mitigation

VIKING
Integrated in Viking refrigerators



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ARPA expenditure categories (EC):

99-1700-571002

Appendix C – Federal ARPA EC Coding

1: Public Health	
1.1	COVID-19 Vaccination ^
1.2	COVID-19 Testing ^
1.3	COVID-19 Contact Tracing
1.4	Prevention in Congregate Settings (Nursing Homes, Prisons/Jails, Dense Work Sites, Schools, etc.)*
1.5	Personal Protective Equipment
1.6	Medical Expenses (including Alternative Care Facilities)
1.7	Capital Investments or Physical Plant Changes to Public Facilities that respond to the COVID-19 public health emergency
1.8	Other COVID-19 Public Health Expenses (including Communications, Enforcement, Isolation/Quarantine)
1.9	Payroll Costs for Public Health, Safety, and Other Public Sector Staff Responding to COVID-19
1.10	Mental Health Services*
1.11	Substance Use Services*
1.12	Other Public Health Services
2: Negative Economic Impacts	
2.1	Household Assistance: Food Programs* ^
2.2	Household Assistance: Rent, Mortgage, and Utility Aid* ^
2.3	Household Assistance: Cash Transfers* ^
2.4	Household Assistance: Internet Access Programs* ^
2.5	Household Assistance: Eviction Prevention* ^
2.6	Unemployment Benefits or Cash Assistance to Unemployed Workers*
2.7	Job Training Assistance (e.g., Sectoral job-training, Subsidized Employment, Employment Supports or Incentives)* ^
2.8	Contributions to UI Trust Funds
2.9	Small Business Economic Assistance (General)* ^
2.10	Aid to Nonprofit Organizations*
2.11	Aid to Tourism, Travel, or Hospitality
2.12	Aid to Other Impacted Industries
2.13	Other Economic Support* ^
2.14	Rehiring Public Sector Staff
3: Services to Disproportionately Impacted Communities	
3.1	Education Assistance: Early Learning* ^
3.2	Education Assistance: Aid to High-Poverty Districts ^
3.3	Education Assistance: Academic Services* ^
3.4	Education Assistance: Social, Emotional, and Mental Health Services* ^
3.5	Education Assistance: Other* ^
3.6	Healthy Childhood Environments: Child Care* ^
3.7	Healthy Childhood Environments: Home Visiting* ^
3.8	Healthy Childhood Environments: Services to Foster Youth or Families Involved in Child Welfare System* ^

3.9	Healthy Childhood Environments: Other* ^
3.10	Housing Support: Affordable Housing* ^
3.11	Housing Support: Services for Unhoused Persons* ^
3.12	Housing Support: Other Housing Assistance* ^
3.13	Social Determinants of Health: Other* ^
3.14	Social Determinants of Health: Community Health Workers or Benefits Navigators* ^
3.15	Social Determinants of Health: Lead Remediation ^
3.16	Social Determinants of Health: Community Violence Interventions* ^
4: Premium Pay	
4.1	Public Sector Employees
4.2	Private Sector: Grants to Other Employers
5: Infrastructure²⁴	
5.1	Clean Water: Centralized Wastewater Treatment
5.2	Clean Water: Centralized Wastewater Collection and Conveyance
5.3	Clean Water: Decentralized Wastewater
5.4	Clean Water: Combined Sewer Overflows
5.5	Clean Water: Other Sewer Infrastructure
5.6	Clean Water: Stormwater
5.7	Clean Water: Energy Conservation
5.8	Clean Water: Water Conservation
5.9	Clean Water: Nonpoint Source
5.10	Drinking water: Treatment
5.11	Drinking water: Transmission & Distribution
5.12	Drinking water: Transmission & Distribution: Lead Remediation
5.13	Drinking water: Source
5.14	Drinking water: Storage
5.15	Drinking water: Other water infrastructure
5.16	Broadband: "Last Mile" projects
5.17	Broadband: Other projects
6: Revenue Replacement	
6.1	Provision of Government Services
7: Administrative	
7.1	Administrative Expenses
7.2	Evaluation and Data Analysis
7.3	Transfers to Other Units of Government
7.4	Transfers to Non-entitlement Units (States and territories only)

*Denotes areas where recipients must identify the amount of the total funds that are allocated to evidence-based interventions (see Use of Evidence section above for details)

^Denotes areas where recipients must report on whether projects are primarily serving disadvantaged communities (see Project Demographic Distribution section above for details)

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