

CDBG-CV Funding

HBCC & WFCC – Air Quality Improvements

Staff is proposing to utilize Community Development Block Grant – Covid-19 (CDBG-CV) funding to reduce/eliminate airborne contaminants, specifically COVID-19 and to improve the overall air quality at both the Henry Beauchamp Community Center (HBCC) and the Washington Fruit Community Center (WFCC). Both HBCC and WFCC currently have aged Heating, Ventilation and Air Conditioning (HVAC) units, with inadequate air supply flow and no air purifiers to protect community residents from airborne contaminants. Each Community Center air improvement systems are estimated at \$130,000, with HBCC to be installed in 2021 and WFCC in 2022. Cost estimates are based on 2020 prices

HBCC - The proposal at HBCC is to replace the remaining five late 1980's-1990's era HVAC units with new Lennox AC with gas heat HVAC Units with economizer, smoke detectors and air purifiers. In addition, the installation of a makeup air heat and exhaust fan with controller to properly vent the commercial kitchen. Staff is also proposing the installation of a control system that will allow the supervision and adjustments of temperatures and fresh air supply in real time as needed to improve the quality and safety of the air supply into the HBCC.

WFCC - The proposal at WFCC is to utilize non-CDBG funding to replace the roof. Once the roof replacement has been completed, replace the 4 existing outdated rooftop HVAC units with 4 new Lennox 7.5-ton AC with gas heat HVAC Units with economizer, smoke detectors and air purifiers. In addition, install a makeup air heat and exhaust fan with controller to properly vent the commercial kitchen and install a control system that will allow the supervision and adjustments of temperatures and fresh air supply in real time as needed to improve the quality and safety of the air supply into the WFCC.

Proposed Equipment:

- Lennox AC with gas heat HVAC Units with economizer ranging from 5 to 7.5-tons.
- iWave-C Commercial Air Cleaner (air purifier)– self-cleaning unit that actively purifies the supply air killing mold, bacteria and viruses; specifically, COVID-19.
- Makeup air heat and exhaust fan with controller.
- Johnson Control System – to monitor and adjust the fresh air flow and temperatures of the HVAC units; more efficient, better quality air.

2021 - HBCC

- Install iWave-C Commercial Air Cleaners on 5 existing HVAC units:
 1. Lennox 12-ton AC with gas heat and economizer HVAC Unit (RTU #1) serving the gymnasium installed in 2016. Estimated cost = **\$4,000.00**
 2. Lennox 5-ton AC with gas heat and economizer HVAC Unit (RTU #4) serving the #2 MLK gathering room and dining room area installed in 2019. Estimated cost = **\$2,000.00**

3. Lennox 4-ton AC with gas heat and economizer HVAC Unit (RTU #5) serving the stage and center west halls installed in 2018. Estimated cost = \$2,000.00
 4. Lennox 5-ton AC with gas heat and economizer HVAC Unit (RTU #7) serving the #1 MLK gathering room and dining room installed 2015. Estimated cost = \$2,000.00
 5. Lennox 2-ton AC with gas heat and economizer HVAC Unit (RTU #10) serving the library area installed in 2017. Estimated cost = \$2,000.00
- Replace existing HVAC Unit (RTU #3) with a new Lennox 6-ton AC with gas heat KGB074S4TH HVAC Unit with an economizer and iWave-C air purifier #4900-10 to serve the southeast halls and office space. Estimated cost = \$15,411.09
 - Replace existing HVAC Unit (RTU #2) with a new Lennox 7.5-ton AC with gas heat, economizer curb adapter and I Wave C air purifier #4900-10 to serve the northeast hall, restrooms and Neighborhood Health Clinic. Estimated cost = \$17,026.00
 - Replace existing HVAC Unit (RTU #6) with a new Lennox 6-ton AC with gas heat KGB074S4TH, economizer and I Wave C air purifier #4900-10 to serve the west halls and offices. Estimated cost = \$15,411.09
 - Replace existing HVAC Unit (RTU #8) with a new Lennox 5-ton AC with gas heat with economizer and I Wave C air purifier #4900-10 to serve the south center area. Estimated cost = \$15,289.00
 - Replace existing kitchen exhaust fan/vent (RTU #9) with a makeup air heat and exhaust fan with controller. Estimated cost = \$45,000.00
 - **Johnson Control System** – the control system would connect all of the HVAC units and kitchen exhaust fan/vent system together to have the ability in real time to monitor and adjust fresh air flow and temps as needed to provide a safer work environment for the staff and public alike. Estimated cost = \$9,205.50

2022 - WFCC

- Replace existing HVAC Units with 4 new Lennox 7.5-ton AC with gas heat, economizer curb adapter and I Wave C air purifier #4900-10. Estimated cost = \$17,026.00
- Replace existing kitchen exhaust fan/vent with a makeup air heat and exhaust fan with controller. Estimated cost = \$45,000.00
- **Johnson Control System** – the control system would connect all of the HVAC units and kitchen exhaust fan/vent system together to have the ability in real time to monitor and adjust fresh air flow and temps as needed to provide a safer work environment for the staff and public alike. Estimated cost = \$9,205.50

MBI Construction Services, Inc.

Building Business Better!

2016 Fruitvale Blvd. Yakima, WA 98902 * Phone: 509-453-3326 * Fax: 509-453-9921

Ryan Ringer

Service Department Manager/HVAC Estimator

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Phone Extension: 112

HVAC BID PROPOSAL

PROJECT: HB Building RTU 6

BID DATE: 11/16/20

BID SECTIONS: HVAC

MBI/HVAC is pleased to offer an HVAC bid for the above-referenced project as outlined below. All HVAC work shall be in accordance with State, Local and NEC requirements.

HVAC INSTALLATION INCLUDING:

1. Lennox 6 ton unit with economizer
2. I Wave C Air Purifier
3. Curb adapter

Note: This project is based on normal working hours between 7:00 AM & 4:30 PM. Work outside that time would be at an additional expense.

- | | |
|----------------|--------------------------|
| 1. Total price | \$15,411.00 tax included |
| 2. | \$ |
| 3. | \$ |

EXCLUSIONS:

1. Bond expense (If required it can be provided at an additional cost).

Please do not hesitate to call should you have any questions – (509) 961-9036

Ryan Ringer – Service manager

Electrical Construction: MBICOC888KG
General Construction: MBICOC888J6

MBE Certified: M3M0023698
DBE Certified: D3M0023698



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HVAC BID PROPOSAL

PROJECT: COY HB RTU2

BID DATE: 11/16/20

BID SECTIONS: HVAC

MBI/HVAC is pleased to offer an HVAC bid for the above-referenced project as outlined below. All HVAC work shall be in accordance with State, Local and NEC requirements.

HVAC INSTALLATION

INCLUDING:

1. 7.5 Ton Lennox unit with economizer
2. I wave C air purifier
3. Curb adapter

Note: This project is based on normal working hours between 7:00 AM & 4:30 PM. Work outside that time would be at an additional expense.

- | | |
|----------------|--------------------------|
| 1. Total price | \$17,026.00 Tax included |
| 2. | \$ |
| 3. | \$ |

EXCLUSIONS:

1. Bond expense (If required it can be provided at an additional cost).
- 2.
- 3.
- 4.

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General Construction: MBICOC888J6

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HVAC BID PROPOSAL

PROJECT: City of Yakima HB Building RTU 3 change out

BID DATE: 10/15/20

BID SECTIONS: HVAC

MBI/HVAC is pleased to offer an HVAC bid for the above-referenced project as outlined below. All HVAC work shall be in accordance with State, Local and NEC requirements.

HVAC INSTALLATION INCLUDING:

1. KGBO74S4TH Lennox 6 Ton Unit
2. 16X75 Economizer with single stage Enthalpy control
3. CDI curb adapter Q#1625635 P#1-6530-2060
4. I wave C Air Purifier 4900-10

Note: This project is based on normal working hours between 7:00 AM & 4:30 PM. Work outside that time would be at an additional expense.

1. Total price	\$15,411.00 tax included
2.	\$
3.	\$

EXCLUSIONS:

1. Bond expense (If required it can be provided at an additional cost).
- 2.
- 3.
- 4.

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HVAC BID PROPOSAL

PROJECT: COY HB RTU 8

BID DATE: 11/16/20

BID SECTIONS: HVAC

MBI/HVAC is pleased to offer an HVAC bid for the above-referenced project as outlined below. All HVAC work shall be in accordance with State, Local and NEC requirements.

HVAC INSTALLATION INCLUDING:

1. 5 Ton Lennox unit with economizer
2. 1 Wave air purifier
3. Curb adapter

Note: This project is based on normal working hours between 7:00 AM & 4:30 PM. Work outside that time would be at an additional expense.

1. Total price	\$15,289.00 Tax included
2.	\$
3.	\$

EXCLUSIONS:

1. Bond expense (If required it can be provided at an additional cost).
- 2.
- 3.
- 4.

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Ryan Ringer – Service manager

Electrical Construction: MBICOC5888KG
General Construction: MBICOC5888J6

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HVAC BID PROPOSAL

PROJECT: COY HB Kitchen MAU

BID DATE: 11/16/20

BID SECTIONS: HVAC

MBI/HVAC is pleased to offer an HVAC bid for the above-referenced project as outlined below. All HVAC work shall be in accordance with State, Local and NEC requirements.

HVAC INSTALLATION

INCLUDING:

1. Modine M#HPC250AMRLN40E2ET2HDA01 MAU
2. Greenheck exhaust fan P#STXB24
- 3.

Note: This project is based on normal working hours between 7:00 AM & 4:30 PM. Work outside that time would be at an additional expense.

- | | |
|----------------|--------------------------|
| 1. Total price | \$45,000.00 Tax Included |
| 2. | \$ |
| 3. | \$ |

EXCLUSIONS:

1. Bond expense (If required it can be provided at an additional cost).
2. This is for equipment only all duct and fire safety will be existing
- 3.
- 4.

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General Construction: MBICOC888J6

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DBE Certified: D3M0023698

