

| Request Details (To be completed by HMB/PC) | | | | NPF-BR-2020-001 | |
|--|--|-------------------------|--|--------------------------|---------------|
| Urgency of the Project | <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Regular | Program Type | <input type="checkbox"/> Family <input type="checkbox"/> Seniors <input checked="" type="checkbox"/> Lodge | HMB ID | NPF |
| Housing Management Body Name | North Peace Housing Foundation | | | | |
| Housing Project Name | Heritage Tower Senior Citizens Complex | | | | |
| Housing Project Address | 10123 - 103 Avenue Peace River, Alberta | | | | |
| Housing Project ID | 127227512063 | LINC Code | 18099077 | | |
| Budget Request | Work Description | Project Category | Estimated Budget | Expected Completion Date | |
| | [Work 1] | Mechanical | \$25,000 00 | As soon as possible | |
| | [Work 2] | Choose Project Category | | | |
| | [Work 3] | Choose Project Category | | | |
| | [Work 4] | Choose Project Category | | | |
| Total Amount | | | \$25,000 00 | | |
| Work Details and Reason for Request: Outlined here are engineering services for replacement of original 36 years old heating equipment, air conditioning equipment, and domestic hot water heaters. Make-up air units have cracks and rust holes in their heat exchangers. Additionally, the heating boilers and air conditioning units are far passed their expected life cycle with water heaters being 14+ years old. The expected service life of heating boilers and make-up air units can be a maximum of 20-25 years. As such, the existing equipment should be replaced as soon as possible as it is very important for safety and well being off our residence. This budget request is to acquire a consultant to provide a recommendation, scope of work, and approximate cost for replacing the HVAC systems that have reached end of life and have been causing issues for the facility (see technician report attached). - Phil S. | | | | | |
| Name <u>ZBE GOLFEC</u> Signature <u>Z. Colan</u> Date <u>Dec. 14, 2020</u> Forward | | | | | |
| Budget Request | | | | | |
| Request Initiator | <u>TAMMY MENISSA</u> <u>T. Menissa</u> <u>Dec 14/20</u> | | | | Original Copy |
| Technical Reviewer | _____ | | | | Original Copy |

| Budget Approval - FOR ASHC INTERNAL USE ONLY | | | | | |
|--|------------------------|--|---|------------|---------------|
| Manager | <u>Philip Sudol</u> | Digitally signed by Philip Sudol Date: 2021.01.12 15:50:07 -07'00' | Philip Sudol Program Manager, CMR | 01-12-2021 | Original Copy |
| Director | <u>Monika Bhardwaj</u> | Digitally signed by Monika Bhardwaj Date: 2021.01.13 13:50:33 -07'00' | Monika Bhardwaj, Director Capital Program and Project Delivery | 01-13-2021 | Original Copy |
| Executive Director | <u>Lynda Cuppens</u> | Digitally signed by Lynda Cuppens Date: 2021.01.15 10:26:10 -07'00' | Lynda Cuppens, Executive Director Housing Capital Programs | 01-15-2021 | Original Copy |

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To whom it may concern;

In October of 2020 service of the make up air units at Heritage tower seniors' home was requested by North Peace Housing foundation. Maintenance and repair on the two large units was done by Redko Refrigeration Ltd, several issues were found with the heating equipment on site. They were as follows:

- 6th floor M.U.A. unit, Engineered Air model # DGL-150-C1TN
 - Burners fuel air mixture was not optimal causing uneven combustion and banging (small explosions) inside the heat exchanger. This was corrected by our service technician
 - Cracks and rust holes were found in the heat exchanger upon inspection of the unit.
 - Corrosive condensate that had been leaking out of the damaged heat exchanger has rusted the metal off of the interior insulated heat shield panels. Insulation is now exposed to airflow, moisture, and debris has begun to rot.
 - The lower drain pan compartment leaks and frame is rusted and leaks condensate onto the floor .
 - The flue pipe running exhaust from the M.U.A. unit to the outside the building is rusting slightly at the seams causing moisture to penetrate into the insulation of the flue pipe.

- 2nd floor M.U.A unit, Engineered Air Model #DGL-95-N1TN was inspected and the following was found;
 - Holes found in heat exchanger leaking corrosive condensate into interior of heating cabinet causing rusting of body of the M.U.A. unit.

Sincerely Redko Refrigeration;

Dwyane Gaboury

Robin Sturgeon

Allan Dixon


