



REPORT

To: Rural Budgets Administration Committee

Report Number: ENV-RBAC-010

From: Kari Bondaroff, Environmental Services Manager

Date: December 17, 2020

Subject: North Peace Airport Subdivision Water 2020 and 2021 Budget

RECOMMENDATION #1:

That the Rural Budgets Administration Committee authorize a funding commitment in the amount of \$35,000, to be paid from the Electoral Area C Fair Share Funds, for emergency 2020 infrastructure repairs and maintenance within the North Peace Airport Subdivision Water function – 701; further, that remaining funds be carried forward for the 2021 repairs and maintenance requirements.

RECOMMENDATION #2:

That the Rural Budgets Administration Committee authorize a funding commitment in the amount of \$125,000 to be paid from the Electoral Area C Fair Share Funds, for the necessary water infrastructure repairs and upgrades within the North Peace Airport Subdivision water function – 701, as recommended within the attached PRRD YXJ Water-Sewer Network Assessment Report.

BACKGROUND/RATIONALE:

The North Peace Airport Subdivision water system was installed in 1978 and includes 2.3 km's of asbestos-cement pipe and 8 hydrants as well as many T-junctions and in-line and isolation valves.

NP Airport Subdivision Waterline Findings – Function 701

- The asbestos-cement waterline main was found to be in good condition. Without conducting a pressure test, a prediction of the pipe's remaining life was non-conclusive and yet estimated to be 15-20 years. However, since the completion of the report, the PRRD has conducted repairs on a water valve and hydrant. As such, a piece of the waterline has been obtained and is available for laboratory tests to determine estimated remaining years of life.
- There are 7 inline valves and 8 hydrants within the water system. 4 of the inline valves were found inaccessible or non-functioning. The PRRD has since repaired 3 of the leaking valves and repaired 2 valve stacks, with one mainline valve that remains inoperable. 1 hydrant and its associated isolation valve has also been replaced.
- The iron fittings found within the system are suspected to be in severe condition due to oxidation. These fittings are found within the T-joints, valves, and hydrants. As such, hydrant and valve maintenance and inspection of the T-joints when valves are replaced is necessary to ensure the mainline continues to function without leaks.
- Estimated cost for replacing the remaining valves and hydrants is \$125,000.
- Estimated annual contractual costs for inspecting and maintaining the 8 hydrants is \$15,000, replacement parts not included.

ALTERNATIVE OPTIONS:

1. That the Rural Budgets Administration Committee authorize a funding commitment of \$35,000 and \$125,000 to be paid from the Area C Peace River Agreement funds to be allocated towards the 2020 and 2021 North Peace Airport Subdivision water function – 701 infrastructure repairs and maintenance activities.
2. That the Rural Budgets Administration Committee authorize that requisition be increased to fund the 2020 deficit and 2021 scheduled infrastructure repairs and upgrades for the North Peace Airport Subdivision water function – 701.
3. That the Rural Budgets Administration Committee provide further direction.

STRATEGIC PLAN RELEVANCE:

- ☒ Organizational Effectiveness
- ☒ Develop a Corporate Asset Management Program

FINANCIAL CONSIDERATION(S):

The North Peace Airport Subdivision is funded through parcel tax for operations and maintenance. As well, user fees are collected to pay the North Peace Airport Society who provides the water, and maintains the pumps and lift station.

Reserve Summary as of November 2020:

- | | |
|----------------------|---------------|
| • PRA Reserve Area C | \$2,310,314 |
| • Gas Tax Area C | \$1,712,490** |
| • Fair Share Area C | \$1,088,617 |

All stated reserves are applicable for capital infrastructure designed as an improvement to the rural community.

** ENV-RBAC-009 (Charlie Lake Sewer 2021 Budgetary Considerations) reflects an ask of \$1,500,000 in funding from Gas Tax Funds, which would reduce the Area C portion of available funds down to \$212,490.

Function Reserves are as follows:

- Operating Reserve: \$30,193.93
- Capital Reserve: \$39,458.65

COMMUNICATIONS CONSIDERATION(S):

None at this time.

OTHER CONSIDERATION(S):

Water leaks directly affect the property owners within the Fort St John Subdivision service area. A water meter is installed directly after the lift station which monitors all water provided by the North Peace Airport Society to the subdivision. As well, each house/shop/barn within the service area has a water meter installed. Any unaccounted for water use within the subdivision is deemed communal water. This communal water is charged equally to each property. Water leaks are a major contributor

to communal water increases and it is within the PRRD's best interest to keep these leaks to a minimum and to fix known leaks immediately.

A Request for Proposal was put out for bid in November of 2020. The result and recommendations from this RFP will be brought forward in January 2021.

Attachments:

1. PRRD YXJ Water-Sewer Network Assessment Report.pdf