



PROJECT UPDATE

Black Pines Community Water System | November 2015

The TNRD hosted a public meeting on November 3 to answer questions about the proposed new river intake and to present the project and grant funding details, with the objective of determining if the residents wish to move ahead with the project. Over a 60-year period, a large sandbar has grown in size that threatens to envelop and/or cut off the flow of water to the intake. Once it was determined that the majority of attendees did want to proceed, the meeting also had an objective of determining the type of assent process that was desired to secure the remaining third of the cost of the project. Here is a recap of what was covered during that meeting and information about what happens next:

HISTORY OF THE RIVER



SANDBAR IN 1953

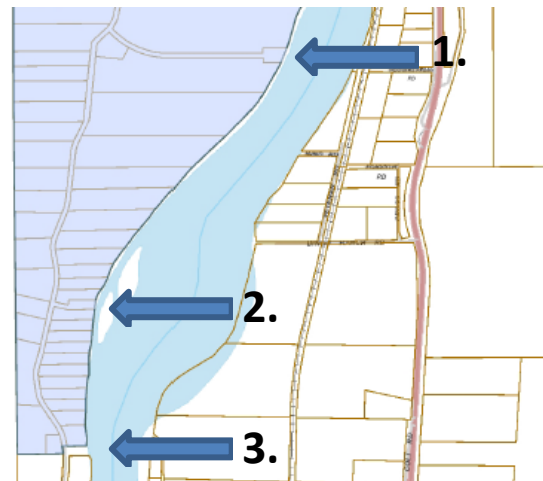


SANDBAR IN 2011

A review of aerial photos over a 60-year period shows that the sandbar is migrating southward and threatens to engulf the intake location and cut off water supply for the community. The sandbar situation also creates water quality problems when river flows are low. The arrow indicates where the current intake is located.

PROPOSED SOLUTIONS FOR NEW INTAKE

Other options were considered for a new water source, including groundwater. After exploring that solution, it was determined that there would not be enough groundwater to supply the community, as well as no guarantees of quality, thus it was determined that a new river intake would be necessary. Three other potential intake locations, as indicated by the arrows at right, were reviewed. Option 1 was priced at \$1.9 million, Option 2 at \$1.4M, and Option 3 at \$1.3M. Option 1 was deemed infeasible due to ongoing sedimentation, decreased depth of flow and infilling. Option 2 was also ruled out due to issues with the main channel. Option 3 was deemed the best location for the new intake location due to channel construction and local bank protection, with an estimated lifespan of 25 years.



WE WANT TO HEAR FROM YOU!

The TNRD invites any questions that you may have about this project. Please feel free to call us at 250.377.8673 to have your questions answered or we would be glad to meet with you in person.



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WATER QUALITY ISSUES & FILTRATION

The Interior Health Authority is responsible for providing oversight to ensure compliance with the provincial Drinking Water Protection Act (DWPA), which outlines requirements for both the construction and operating of water systems.

The proposed new intake will not include filtration to meet IHA objectives but is a necessary first step to providing a secure water supply for the community.

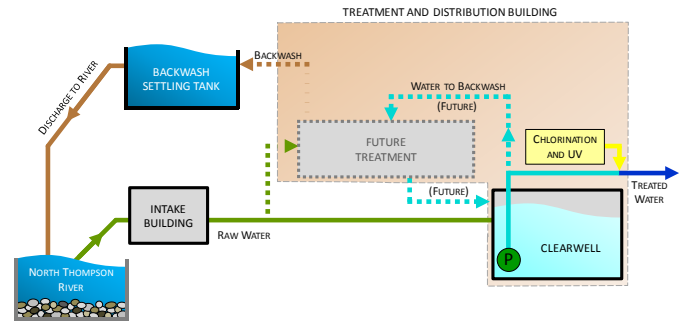
The IHA understands the financial commitment filtration will involve and is willing to come to an agreement on a timeline for installing filtration based on long-term planning and target dates.



THE PROPOSED PROJECT & FUNDING

	With NBCF Grant (Borrow \$467,500)	With NBCF Grant + KinderMorgan Contribution (Borrow \$315,000)
One-time payment	\$11,150	\$7,500
Annual Parcel Tax (4%, 20 yrs)	\$785	\$530
Annual Parcel Tax (5%, 20 yrs)	\$895	\$600
Annual Parcel Tax (6%, 20 yrs)	\$1,000	\$675

The funding breakdown for the \$1.3M project includes \$896,666 from the provincial and federal governments (one-third each) through a grant that was secured earlier this year. The grant mandated that the remaining third, \$467,500, come from users of the water system. The chart includes the possibility of a Kinder Morgan contribution if the Northern Gateway project goes ahead.



The proposed project engineered by TRUE Consulting will be made up of a raw water intake, an intake pumphouse, treatment (Phase 1 will include UV disinfection and chlorination, but does not include filtration) and a future treatment backwash.

VOTING, PETITIONS & NEXT STEPS

A majority of attendees decided to move forward with consideration of the proposed project. Once it was determined that the majority did want to proceed with consideration of the proposed project, another vote was held to select the approval process that will determine if property owners want to approve borrowing the remaining third of the cost of the project. Attendees voted for a petition process over a referendum. Petitions are expected to be mailed out in early 2016, with a follow-up meeting planned as well.



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