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Municipal Water Supply Pipeline.

A proposed solution.

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Dear Council,

Recognizing that Bill 459 will make it more arduous and costly for the Municipality to continue to supply potable water to all of its municipal customers with the new controls and standards coming into place. Also recognizing that we need to help out and move forward with the establishment of Inverhuron Provincial Park (I.P.P.), as it will benefit the Municipality economically. I would like to propose the following solution for consideration by Council.

Summary Recommendations

The path, I believe, could be something like the following:

1. Repair the wells in Tiverton.
 - After repairs are completed, perform capacity tests.
 - Estimate what capacity will be left for Tiverton, after hooking up to I.P.P.
 - Estimate what capacity will be left for Tiverton, if we hooked into Inverhuron village.
2. Install the line to Inverhuron Provincial Park (I.P.P.) from Tiverton.
 - Ensure that the valving will allow the flow to be reversed at a later date if necessary.
 - Install spigot lines and valves at each lot the pipe is passing by. Do not tie in or charge anyone for this, at this time.
3. Make the repairs to the Scott Point and Underwood Systems.
 - Apply for an OSTAR grant.
 - Reduce the average cost of their water bill.
4. Deal with the four municipal wells on the B' Line. Either by:
 - Connecting them together and installing one chlorination and monitoring system for all of them.
 - Running the pipeline from Kincardine W.T.P.
 - Installing a small W.T.P. from the lake to these four systems.
 - As soon as a decision is made, apply for the OSTAR grant.
5. If the line is to be run out to Inverhuron.

- Bring it along the lower shore road through Lorne Beach and Victoria Street in Inverhuron, not up the hill to the intersection of County Road 15 and 23.
- Tie it to the Tiverton line and install the booster pumps.
- As soon as a decision is made, apply for the OSTAR grant.

Detailed Recommendations:

Tiverton Water Supply

1. Repair the wells in Tiverton.
2. Build the pipeline to Inverhuron Park.
3. Estimation is required as to how the supply to the park, will limit expansion of Tiverton. As in how many lots will this take away from Tiverton's expansion?
4. Estimation is required as to how much capacity of Tiverton's supply will be needed to supply Inverhuron village and the ramification of such.
5. Get estimated life span of Tiverton's wells.
6. Do not attach to Kincardine's water supply in the immediate future.
7. Cost out a water treatment plant in Inverhuron to take the lake water and pump it to Tiverton, Inverhuron and the park.

Inverhuron

1. Define how many people want water supply in Inverhuron. Produce accurate costs for each type of prospective consumer in Inverhuron. Estimate based on direct connection and by streets requiring feeder lines.
2. Get a meeting together with the people of Inverhuron and lay it all out. Talk about estimated costs and find out if there is any merit to the stories of cross contamination of water at some cottages. See if we can get some form of going forward agreement. If not, it ends there.
3. Have to look at the pressure issues of direct tie in to the main pipe. Will we have to put in pressure reducers?

B' Line wells.

1. Tie the 4 wells together and set up one monitoring/ chlorination system for them all.
2. Bring the water from Kincardine to these wells but no further.
3. Cost out a small water treatment plant to supply these wells.

Pipeline Path.

1. The pipe should only initially come through to the "B" Line wells.
2. If it is to join into the Tiverton Line, then the pipeline should not come along the upper part of County rd 23 but should, I believe come down through Lorne Beach, then through Victoria St in Inverhuron. This would allow it to service many more customers.

Miscellaneous.

1. We have to look more deeply into the ability in the long term for a major water supply route from the BNPD Common Services supply. This would be a raw water (not potable) supply but it has to be realized that this would have to be a provincially funded project, due to its size and complexity. Capacity of this plant must be in the range of supplying major cities such as Guelph or Kitchener/Waterloo, so we would be only small take offs along the line.
2. We need to discuss how we treat farmers with livestock in all of this, as I can imagine there may be some high water bills, if you are feeding and watering major amounts of livestock.

Yours Faithfully,

Sandy
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