

Water/Wastewater Budget – 2021 - Operating

Project Name	Project Description	Alignment to Strategic Plan
<p>Lucknow Inflow and Infiltration</p> <p>\$60,000</p>	<p>Flow monitoring in the Lucknow sanitary sewer system is in progress and inspection of the maintenance holes has been completed. Once Township staff receive the results, we will recommend the next steps to Township Council. The current plan includes maintenance hole cleaning and closed-circuit camera inspections of the sanitary sewers in 2021.</p>	
<p>Fire Hydrant Painting</p> <p>\$42,000</p>	<p>Most of the fire hydrant surfaces along the Lakeshore and in the community of Ripley have faded and are in need of surface maintenance. Township staff recommend contracting this service so the hydrants will be prepared, primed and painted professionally. The proposed operating budget includes painting all Lakeshore and Ripley fire hydrants in 2021.</p> <p>The hydrants in Lucknow were recently painted by local artists and although they are quite creative, they do not conform to the Ontario Fire Code for hydrant markings. Township staff recommend painting these hydrants with the same red and yellow colour scheme that will be used in Ripley, when they are in need of re-painting.</p>	

Department Name Budget – 2021 – Capital		
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SCADA Upgrades \$225,000	Point Clark upgrades will be complete with the replacement of the Mater Control Centre (MCC) in January 2021. Huronville Pumping Station upgrades are scheduled for 2021.	
Lucknow Elevated Tank \$40,000	Township applied for grant funding in 2020, however we were once again unsuccessful. Township staff are currently reviewing options for funding the replacement of the Lucknow Standpipe. The proposed 2021 Capital Budget includes the removal of the house at 650 Wheeler Street that was purchased by the Township in 2019 to provide additional land for the construction of the Lucknow Elevated Tank.	Goal (P5): P5.4 Lucknow Water Tower.
Lucknow Well Upgrades Well 4 = \$20,000 Well 5 = \$35,000	Upgrades and maintenance at Well #5 in Lucknow have been deferred to 2021 because more information is needed for sizing the variable frequency drive (VFD) pump that will pressurize the water system in Lucknow in the event that the Standpipe has to be taken out of service. The Well #5 upgrades include a VFD pump, a flow meter and the cleaning and video inspection of the well casing. Upgrades and maintenance of Well #4 is scheduled for 2021, which includes a flow meter and cleaning and inspection of the well casing.	
Blairs Grove Well 2 Abandonment \$200,000	The abandonment of the artesian well that was taken out of service in August 2020 due to its deteriorated condition will require a significant financial investment. Artesian well abandonment is a complicated process and this situation is even more challenging now that the second artesian well on this site is hydraulically connected to the existing well. Township staff plan to abandon Well 2 in 2021 because artesian wells that are capped and not fully abandoned are	

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	a risk to fail and cause significant surface flooding damage to neighbouring properties.	
Point Clark Transfer Switch \$15,000	In an effort to improve our emergency preparedness, Township staff recommend installing a manual transfer switch in the Point Clark Pump House. In the event of an extended power outage along the Lakeshore, one of the two portable generators could be connected in Point Clark to fill the Point Clark Standpipe rather than relying solely on the standby generator at Murdoch Glen.	
Lakeshore Well EA \$15,000	The video inspection of the well that was commissioned at the Blairs Grove Well site indicates that the artesian well casing is in good condition at the present time. The raw water is highly abrasive, however, so our well drilling contractor is not confident that the well casing will be able to withstand regular use for more than 10-15 years. As previously communicated to Township Council, the less than desirable raw water quality in this area will prevent this site from being the preferred location for a new well along the Lakeshore that will replace the Blairs Grove Well when it nears the end of its useful life. An Environmental Assessment will be part of the process in determining a suitable location that will yield better drinking water quality..	

OTHER		