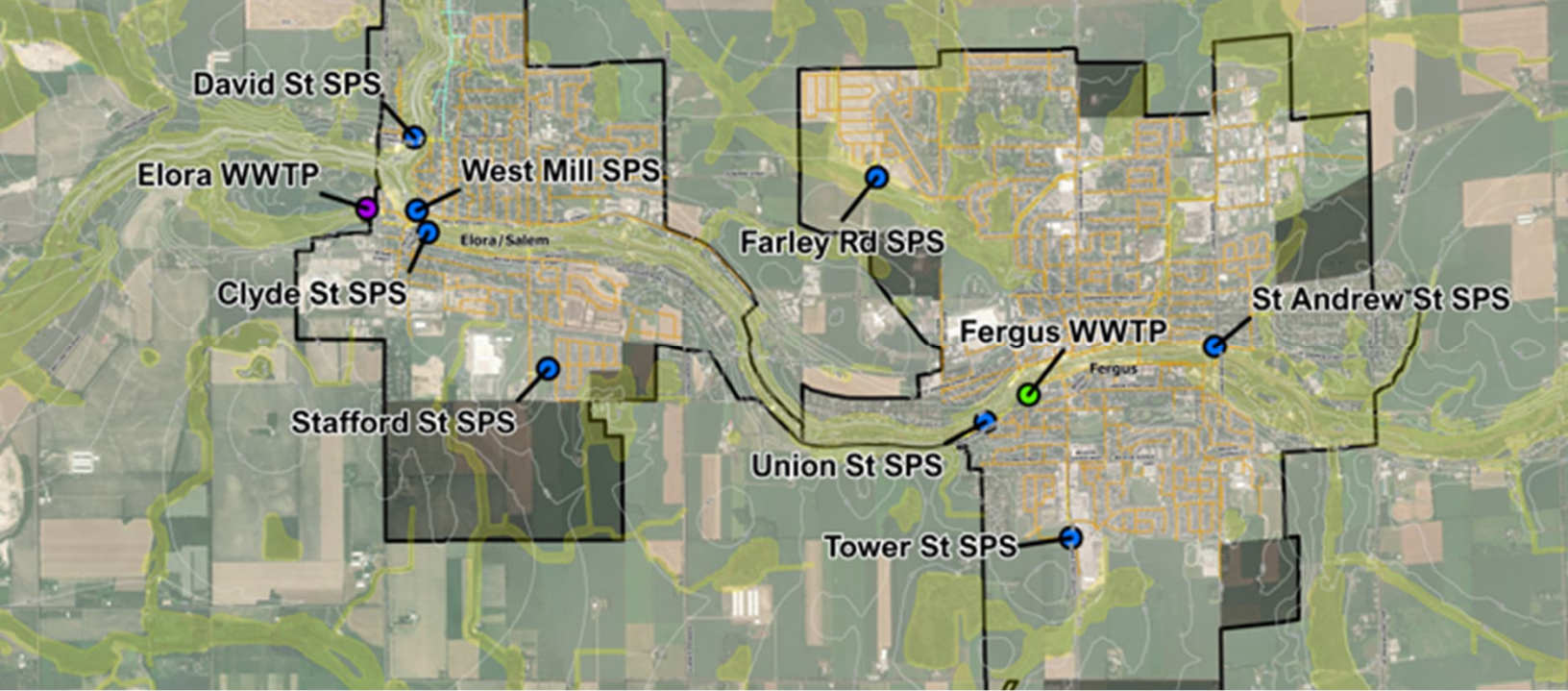


TOWNSHIP OF CENTRE WELLINGTON



**Centre
Wellington**

**Water and Wastewater
Servicing Master Plan**
Public Information Centre #2
April 24, 2025

Information Handout for Public Meeting

Contacts:

Ryan Maiden, P.Eng.
Water and Wastewater Capital Manager
Township of Centre Wellington
Rmaiden@centrewellington.ca

John Tyrrell, M.Sc.(Eng.), P.Eng.
Principal
R.V. Anderson Associates Limited
jtyrrell@rvanderson.com



2001 Sheppard Avenue E., Suite 300
Toronto ON M2J 4Z8
T 416 497 8600 F 855 833 4022
rvanderson.com





Water and Wastewater Servicing Master Plan Township of Centre Wellington Public Information Centre #2, April 24, 2025

Welcome

The Township of Centre Wellington welcomes you to this Public Information Centre.

The Goals of this Public Information Centre:



Introduce the project and describe the Master Plan process.



Provide information on the existing water and wastewater system and servicing requirements to 2051 (horizon of Master Plan).



Provide details on the review of options to provide water/wastewater infrastructure to 2051 and a preliminary selection of preferred options.



Answer any questions that you may have.



1



What's Involved In The Water and Wastewater Servicing Master Plan?

- The Township is undertaking a Master Servicing Plan (MSP) study under the Municipal Class Environmental Assessment framework.
- The MSP study will follow Approach #1 (high level study) under the Master Planning Framework.

Problem/Opportunity

The Township is attracting many new residents and businesses. To meet the future needs of the community, solutions to grow the water and wastewater servicing infrastructure need to be evaluated.

Approach

The Water and Wastewater Servicing Master Plan will identify capacity constraints and identify and evaluate opportunities to increase system capacity to accommodate for growth to the 2051 planning horizon.

Objectives

- Establish timelines for addressing servicing gaps
- Identify short- and long-term strategies for servicing and expanding water and wastewater capacity
- Provide a roadmap for required infrastructure projects

Preferred solution(s) will be prioritized and implemented in phases to address short and long-term goals and needs, and shall:

- Comply with applicable regulations to provide adequate water and wastewater servicing
- Consider stakeholder comments and concerns
- Aim to build climate change resiliency
- Reduce system complexity and improve ease of operations
- Aim to improve existing levels of servicing
- Consider sequencing of solution implementation
- Consider realistic design criteria
- Be financially viable and reduce lifecycle cost
- Be socially and environmentally responsible



2



Population and Servicing Projections

- Significant population growth is forecast
- Serviced population does not correspond to total population of either community.

Urban Centre	2023 ^{a,b}	2051 ^b		
Total Population	Residential	Residential	ELE *	Total
Elora / Salem	9,040	14,100	985	15,085
Fergus	19,500	36,300	985	37,285
Drinking Water System	Residential	Residential	ELE	Total
Elora / Salem Serviced Population	6,820	11,880	985	12,865
Fergus Serviced Population	17,174	33,974	985	34,959
Wastewater System	Residential	Residential	ELE	Total
Elora / Salem Serviced Population	6,785	11,845	985	12,830
Fergus Serviced Population	16,893	33,693	985	34,678

* Employment-land-employment

a) Municipal Water Meter Data

b) Municipal Comprehensive Review Study, Watson & Associates Economist Ltd. 2022



3



High Level Master Planning Options

Alternative 1 (Do Nothing) would not provide the water or wastewater servicing capacity for the existing and planned growth

Not considered moving forward

Alternative 2 (Limit Growth) neither meets the Township's vision for the growth and nor does it mitigate the water and wastewater servicing risks for the existing serviced population

Not considered moving forward (Contradicts Township and Centre Wellington Growth Plans)

Alternative 3 – the Township has ongoing initiatives

Water Conservation (Water)

Infiltration/Inflow Reduction (Wastewater)

Programs should continue and be expanded

Alternative 4 – Provide services to allow for planned growth:

Water Servicing Concepts ex: new water supply (separate initiative), water storage, water pumping and distribution, etc.

Wastewater System Servicing Concepts ex: new linear infrastructure, pumping, treatment expansions, etc.

The Master Plan will focus on providing servicing solutions that allow for Planned growth per Alternative 4, while continuing and enhancing the existing programs under Alternative 3.



4



Master Plan – Review of Servicing Options

Rating Scale:

Highest Impact
(Most Negative Solution)



Lowest Impact
(Most Positive Solution)

Categories:

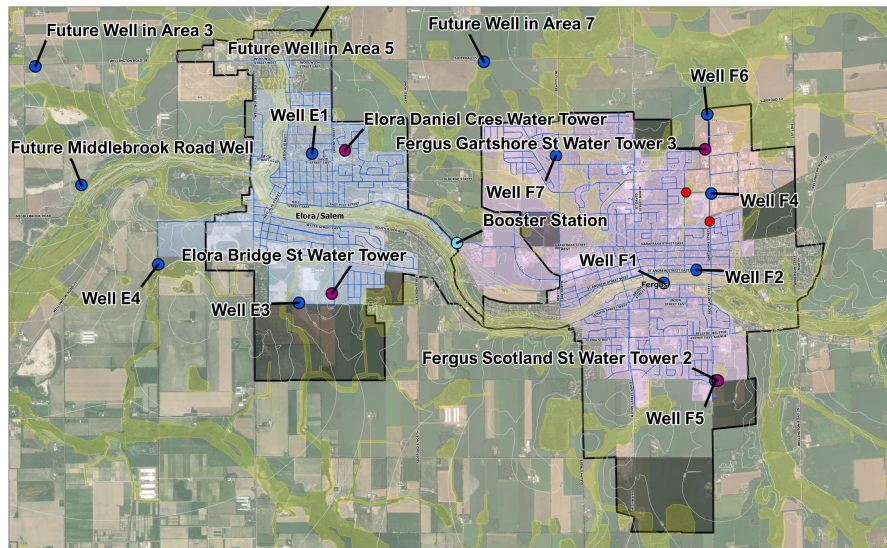
Category	Criteria
Technical	- Constructability - Improvement to operations - Infrastructure required - Approval requirements
Social and Cultural	- Temporary impacts due to construction - Impact to built heritage resources and cultural heritage landscapes - Impact to archaeological resources
Environmental	- Impact to aquatic and terrestrial species and habitat - Impact to surface water quantity and quality - Climate change resiliency
Economic	- Capital costs - Operational and maintenance costs - User Value



5



Overview of Existing Infrastructure - Water



Current System:

- 121 km of Watermain
- 1229 Water Valves
- 742 Hydrants
- 6 Air Release Valves
- 2 Pressure Reducing Chambers
- 9 Municipal Wells
- 4 Water Towers
- 1 Booster Station

Water and Wastewater Master Servicing Plan
Township of Centre Wellington

Date: 4/23/2025
Page 1
RVA 237318
Draft By: K/W

Water Distribution Network Diagram

Note: This map is for general information only and does not constitute a guarantee of accuracy, completeness or reliability of the map or any information or data contained therein. The map is provided as a reference only and should not be used for any purpose other than that for which it was prepared. The map is provided as a reference only and should not be used for any purpose other than that for which it was prepared.



6



2051 Infrastructure Requirements- Water

Planning for the **Water Supply** was undertaken in the Township's 2019 Water Supply Master Plan which anticipates bringing on three additional wells over the next 15 to 20-years to provide water supply to meet Centre Wellington's requirements.

Water Storage

- The current Water Storage Capacity is 11,820 m³ and this currently meets provincial guidelines for storage
- By 2051, there will be a requirement for 17,540 m³ of storage
- There is a requirement to provide an additional 5,720 m³ of storage for 2051

Water Distribution

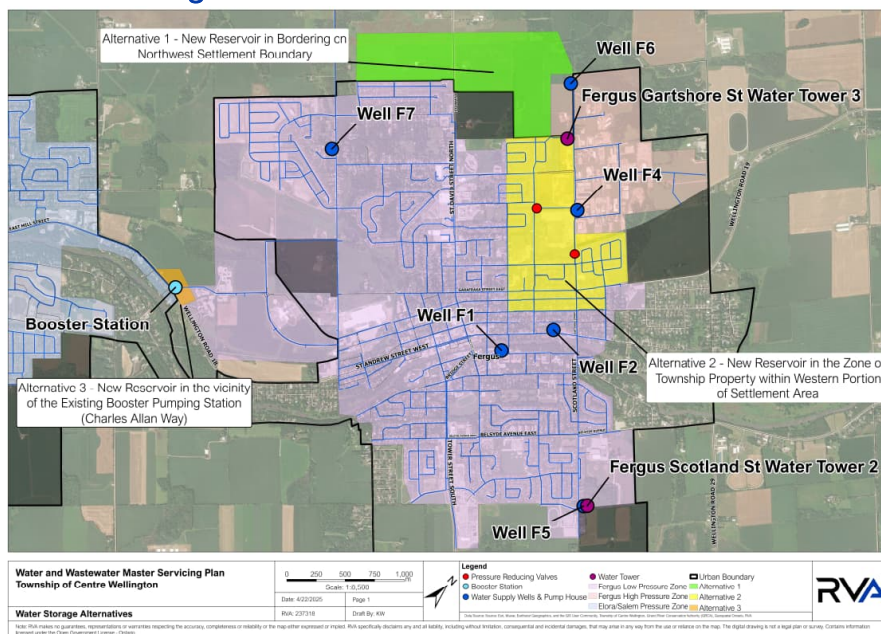
- 2021 Maximum Day Demand is 8,522 m³/day and the forecasted demand is 21,330 m³/day in 2051.
- Reviewed future growth and determined recommended future extensions to the water distribution system
- Hydraulic modeling was used to determine if there will be impacts to the current water distribution system based on the 2051 water demands (under Peak Day and Fire Conditions)



7



Water Storage – Alternatives



In-ground reservoir per Township's preference with a total volume to be 5,720 m³ in two cells (2,860 m³ each) Pumping to distribution system and backup power
New watermain to connect to existing distribution system
Preference to allow for connection between Fergus low- and high-pressure zones.
Property costs for new site if not on Township property
Costs to relocate existing activity if reservoir to be located on a Township property with a current use.



8



Water Storage – Short-Listed Alternatives Evaluation

Category	1- New Reservoir in Bordering on Northwest Settlement Boundary	2- New Reservoir in the Zone on Township Property within Western Portion of Settlement Area	3- New Reservoir in the Vicinity of Existing Booster Pumping Station (Charles Allan Way)
Technical	Proximate to both Fergus High- and Low-pressure zones, so can service all three settlement pressure zones	Proximate to both Fergus High- and Low-pressure zones, so can service all three settlement pressure zones	Not proximate Fergus High pressure zone, so can service only Fergus Low and Elora pressure zones economically
Social and Cultural	Standard archaeological and heritage investigations required for site	High potential to disrupt social environment due to placement in existing urban area	- Low to moderate potential to disrupt social environment due to possible placement in existing County campus area - Standard archaeological and heritage investigations required for site
Environmental	- Any environmental impacts can be mitigated through standard construction and operational practices - Standard natural heritage investigation required for site	Any environmental impacts can be mitigated through standard construction and operational practices	- Any environmental impacts can be mitigated through standard construction and operational practices - Standard natural heritage investigation required for site if not on campus
Economic	\$14.6 million capital cost not including watermain connection costs \$3.0 Million in rehabilitation at 20-years 40-yr LCC of \$515 K	\$14.6 million capital cost not including watermain connection costs \$3.0 Million in rehabilitation at 20-years 40-yr LCC of \$515 K	\$14.6 million capital cost not including watermain connection costs \$3.0 Million in rehabilitation at 20-years 40-yr LCC of \$515 K
Overall	 Preferred Alternative		



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Water Distribution

The Water distribution system was modelled to determine the following:

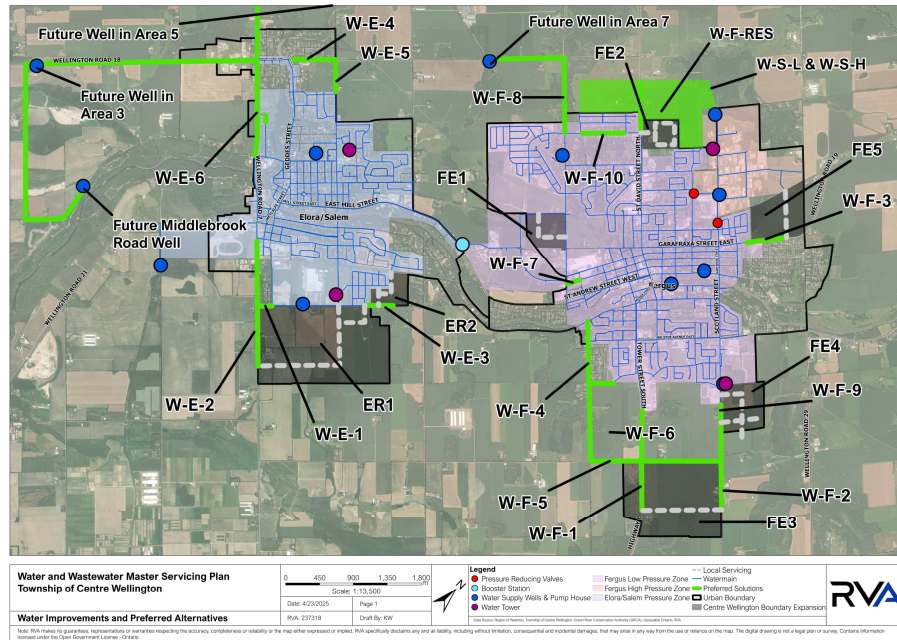
- **Current Conditions**
 - System pressures under Peak Hour Demand (highest hourly flow during a day with maximum water demand)
 - Fire flow available at hydrants under Maximum Day Flow (determination if flows met required rates)
- **2051 Scenario**
 - System pressures under Peak Hour Demand
 - Fire flows under Maximum Day Flow
- **Risk and Redundancy Review**
 - Determination if a second connection between the Elora and Fergus distribution networks would be required to provide additional security to the system
- **Major Findings**
 - 2,860 m of upsizing that is attributed to growth



10



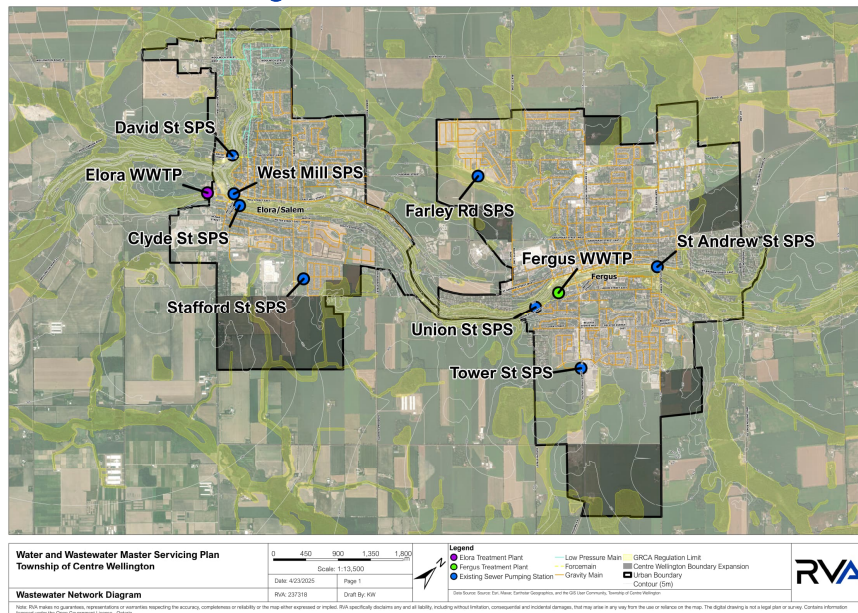
Water – Improvements and Preferred Alternatives



13



Overview of Existing Infrastructure - Wastewater



Current System:

- 105 km of Wastewater Gravity Main
- 2.4 km of Wastewater Pressure Main
- 5.3 km of Wastewater Low Pressure Main
- 1570 Maintenance Holes
- 6 Low Pressure System (LPS) Air Release Valves
- 53 LPS Cleanout Valves
- 223 LPS Shutoff Valves
- 7 Pumping Stations
- 2 Treatment Plants
- 1 Siphon



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2051 Infrastructure Requirements- Wastewater

Wastewater Collection

The Wastewater collection system was modelled to determine the following:

- **System constraints in the Elora and Fergus WW Collection Systems using the following criteria:**
 - Gravity sewers with less than 1.8 m of freeboard (very wet systems)
 - Pump station's wet well water level exceeding the overflow level
- **2051 Scenario**
 - To determine improvements required based on the system constraints
- **Major Findings**
 - 10,586 m upgrades are noted in our review of which:
 - 7,376 m are upgrades to the existing collection system due to growth.
 - 3,210 m are new sewers (on existing municipal roadways) attributed to growth.
 - 440 m are upgrades to existing collection system due to wet weather issues.



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2051 Infrastructure Requirements- Wastewater Treatment Facility

Wastewater Treatment

For the current sewage catchment areas:

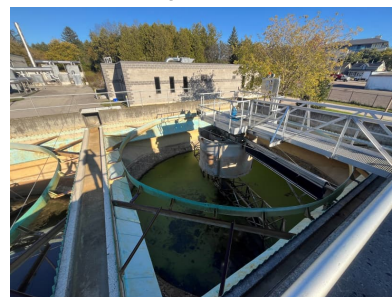
- The Fergus WWTP's capacity is 8,000 m³/day and will by require 9,400 m³/day of capacity by 2051
 - The plant also has some history of effluent compliance exceedances
- Elora WWTP's capacity is 5,000 m³/day will be 12% under capacity by 2051

Therefore, Longlisted Alternative Strategies include:

- Alternative 1: Do Nothing
- Alternative 2: Limit Growth
- Alternative 3: Reduce Inflow & Infiltration (I&I)
- Alternative 4: Upgrade Fergus WWTP; or
- Alternative 5: Send partial WW flows from Fergus to Elora by maximizing the Elora WWTP's capacity during the Master Plan timeframe



Fergus WWTP



Elora WWTP



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Wastewater Treatment Facility – Long-Listed Alternatives and Evaluation

Alternatives	Does the alternative address the problem and opportunity statement?	Is the alternative technically and economically feasible?	Can the alternative be implemented without significant impacts?	Carry forward for detailed evaluation? (Yes/No)
Alternative 1: Do Nothing	x	x	x	No
Alternative 2: Limit Growth	x	✓	x	No
Alternative 3: Reduce Inflow and Infiltration (I&I)	x	✓	✓	Combine with preferred
Alternative 4: Expand Fergus WWTP	✓	✓	✓	Yes
Alternative 4: Send Partial Flows to Elora WWTP	✓	✓	x	No

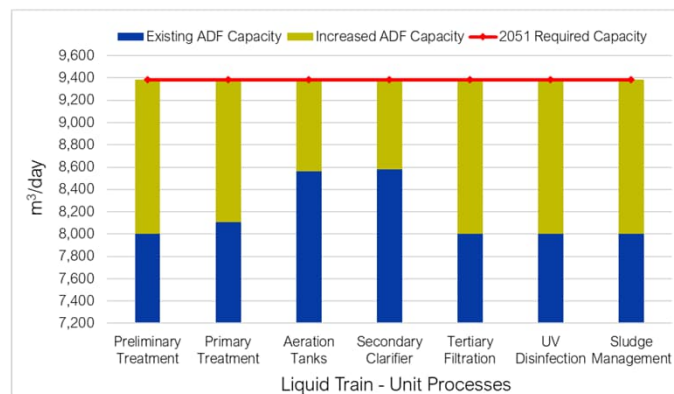


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Wastewater – Required Capacity Expansion

- Current unit processes at WWTP are sized for Average Daily Flow (ADF) and Peak Daily Flow (PDF) based on the as-built hydraulic profile drawing
 - Current MECP practice is to size certain processes for Peak Hour (PH) and Peak Instantaneous Flow (PIF)
 - As such, % of expansion to meet 2051 requirements varies for each unit process.
- Unit-processes to be up-sized can be divided into technology-based (preliminary, tertiary and disinfection equipment), and tankage based.
- Required capacity of tankage-based processes are shown in table below.



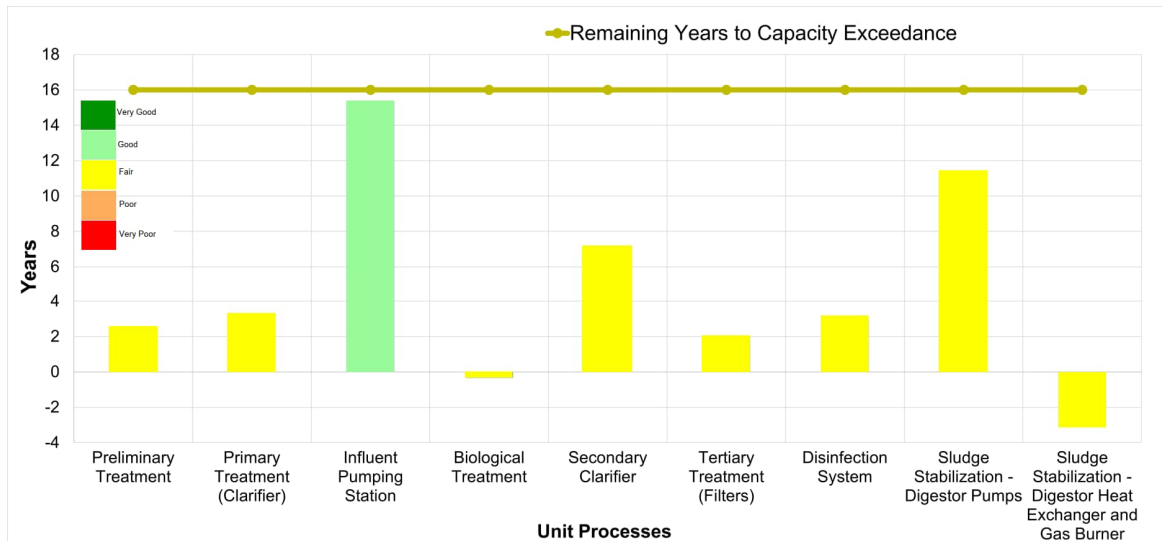
Tankage	Existing Capacity	Required Capacity
Primary Clarifier Tanks	315 m ²	450 m ²
Aeration Tanks	2,140 m ²	4,760 m ²
Secondary Clarifier Tanks	635 m ²	760 m ²
Primary Digester	15.3 m x 8.0 m SWD	1 Additional Equal Sized Tank



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Wastewater – Fergus WWTP Current Asset Condition and Lifespan



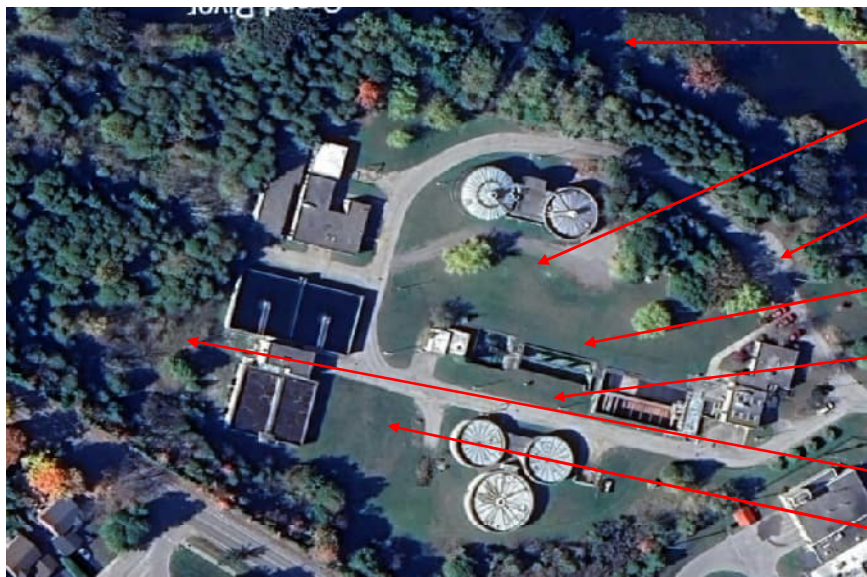
Graph illustrates that almost all unit processes will reach end of typical lifespan and will require replacement within next 5 to 10 years.



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Wastewater – Fergus WWTP – Current Site Constraints



GRAND RIVER

BERM

ACCESS ROAD TO BE
MAINTAINED

EXISTING YARD PIPING

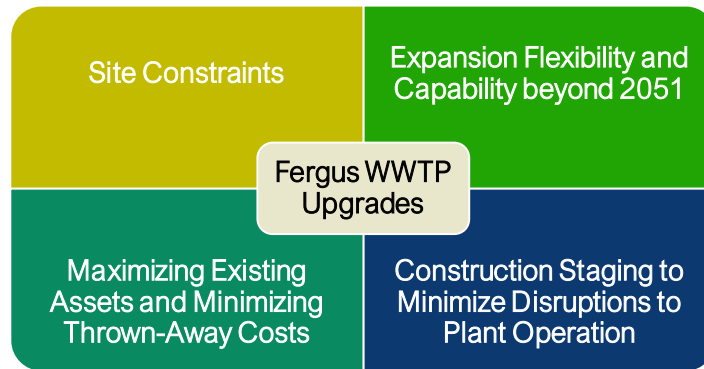
ELECTRICAL DUCTS

NATURAL AREA

BEDROCK



20



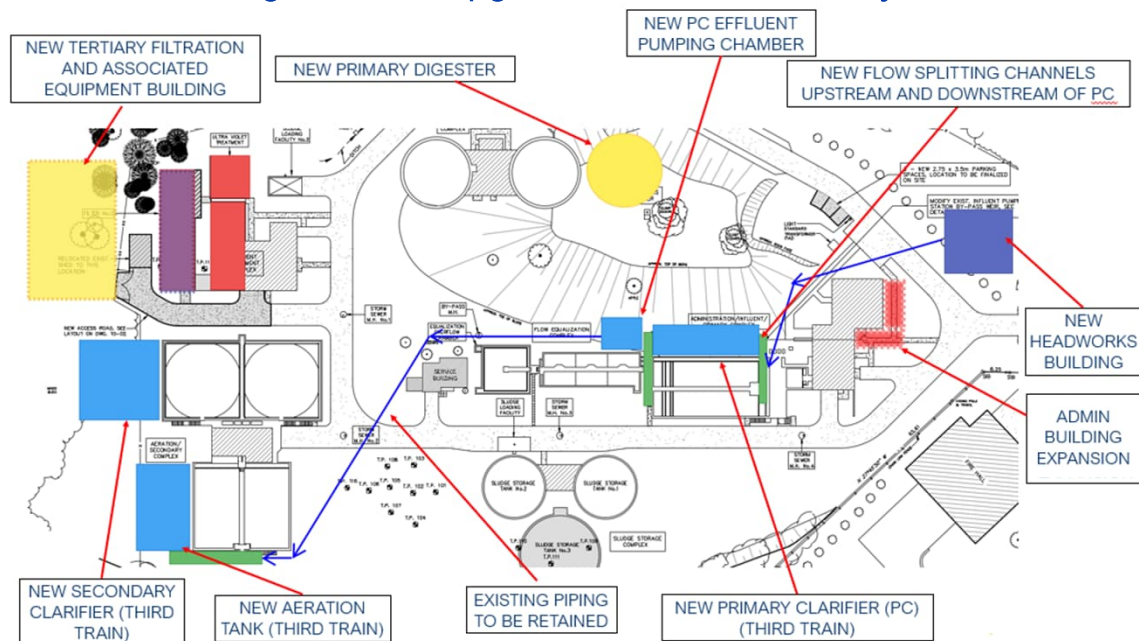
To meet above objectives, the upgrades can be implemented via the following two options:

Option 1: Retain Fergus WWTP as a Conventional Activated Sludge (CAS) facility and expand capacity via a new 3rd Liquid Train; or

Option 2: Convert Fergus WWTP to a Membrane Bio-Reactor (MBR) facility



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Wastewater – Fergus WWTP Upgrades – Estimated Costing

CAS Facility				
Project Title/Description	Description	2025-2030	2031-2036	2037-2042
Fergus WWTP Interim Upgrades	Study + Design	Filtration System Assessment Study	Detailed Design of Surface Media Filtration in new Tertiary Treatment Building	
	Construction		Construction of new Tertiary Filtration System + Building	
Fergus WWTP Expansion	Study + Design		Schedule C Class EA + Assimilative Capacity Study	Detailed Design
	Construction			New Third Liquid Train + Sludge Management
Cost ¹		\$ 150,000	\$ 5.2 Million	\$ 65.9 Million

CAS Facility allows:

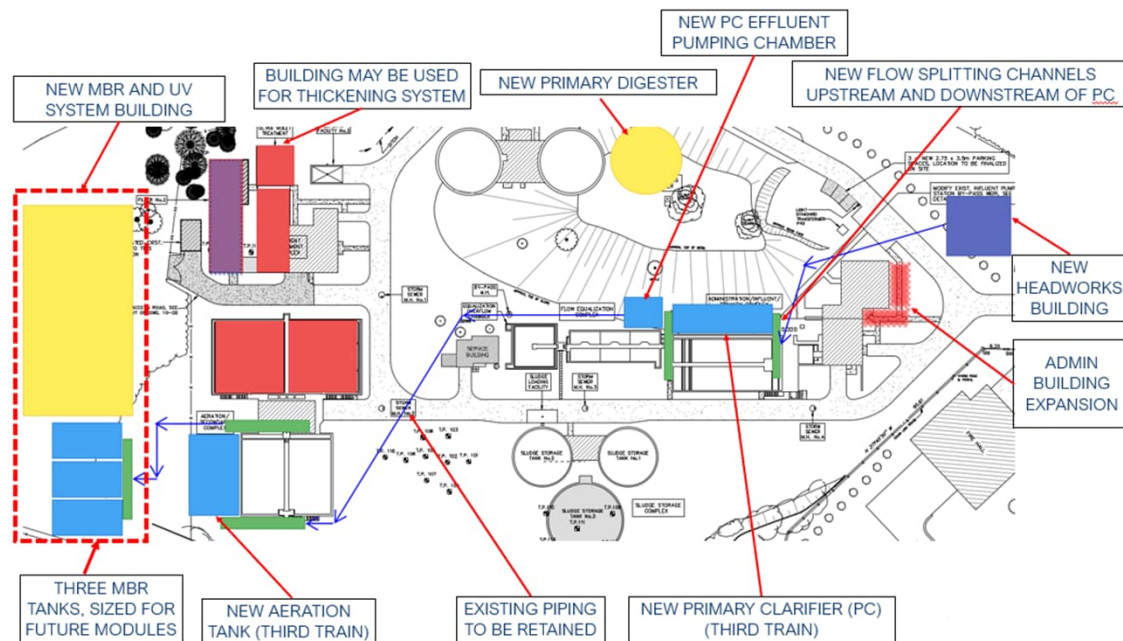
- Upgrades to be implemented in phases, such that tertiary filters are upgraded to preferred technology prior to end of lifespan;
- Third train allows maximum use of existing facility, including accounting for required life-cycle replacements in the next 5-10 years



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Wastewater – Fergus WWTP Upgrades – Potential Site Layout of MBR Facility



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Wastewater – Fergus WWTP Upgrades – Estimated Costing

MBR Facility				
Project Title/Description	Description	2025-2030	2031-2036	2037-2042
Fergus WWTP Interim Upgrades	Lifecycle Replacement	Replacement or Rehabilitation of Sand Filters	Lifecycle Replacement Cost Savings on • Secondary Clarification • Activated Sludge Pumping	
Fergus WWTP Expansion	Study + Design		Schedule C Class EA + Assimilative Capacity Study	Detailed Design of Fergus WWTP Upgrades
	Construction			New MBR Facility + Sludge Management
Cost		\$ 1.7 Million	\$450,000	\$ 71.4 Million

MBR Facility allows for cost savings on lifecycle replacements associated with secondary clarifiers and activated sludge pumping system as they will eventually be replaced by the MBR filters.



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Wastewater – Fergus WWTP Upgrades – Evaluation and Preferred Strategy

Evaluation Criteria	1-Retain Fergus as a CAS Facility and Add a New Third Train	2 – Convert Fergus to an MBR Facility
Technical Criteria		
Meets Existing and Future Needs	• Maximizes use of existing tankage while accounting for lifecycle replacements / upgrades due within the next 5 years. • Meets the required treatment capacity projected for 2051. • To meet capacity beyond 2051, additional tankage and upgrades required.	• Will facilitate operational and maintenance requirements, as two unit processes will be combined into one. • Meets the required treatment capacity projected for 2051. • To meet capacity beyond 2051, will likely only require additional equipment that can be installed within existing tankage.
Impact on Operations and Maintenance	• Improves operational redundancy by allowing for flow splitting between three trains, instead of two • Current operations staff are experienced with this facility and will require minimal training for the new train.	• All operations staff will require training on the new facility, increasing capital costs • MBRs require much more maintenance activities than CAS plants. • However, staff only has to maintain one unit process as compared to two which saves on maintenance costs and requirements.
Constructability	• Facilitates Construction Sequencing, including requirement of maintaining an operating plant throughout construction duration, as major proposed works do not interfere with existing infrastructure. Some temporary pumping may be required during shutdown and bypasses. • No foreseeable constructability issues.	• Facilitates Construction Sequencing, including requirement of maintaining an operating plant throughout construction duration, as major proposed works do not interfere with existing infrastructure. Some temporary pumping may be required during shutdown and bypasses. • No foreseeable constructability issues.
Impact on Existing Infrastructure	No adverse impact on existing infrastructure. Project objective allows for lifecycle improvements and maximizes utilization of existing infrastructure (along with expansion of the plant).	Project will lead to decommissioning of at least two unit processes which are due for life-cycle replacement or improvements within next 5 years. As such, does not maximize use of existing infrastructure.
Aligns with Approval and Permitting Process	• Dependent on the ACS study which is recommended to be undertaken as part of the Schedule C Class EA. • Technology comparisons for Tertiary Filters are provided to account for potentially more stringent effluent requirements	• Dependent on the ACS study which is recommended to be undertaken as part of the Schedule C Class EA. • MBR facilities are capable of meeting very stringent requirements without the use of tertiary filters.
Economic		
Expansion Capability	• Future expansion is limited to either introducing a fourth train or converting to an MBR facility. If the latter is selected, upgrades and new assets added will be decommissioned. • With the proposed design, Fergus WWTP capacity can be expanded to 11,500 m³/d	• MBR system offers substantial future expansion capabilities within the same footprint and with minimal capital costs. • With the proposed design, Fergus WWTP capacity can be expanded to 11,500 m³/d
Capital Costs (per breakdown provided in 2025 – 2042 Capital Plan)	\$71.3 Million	\$73.6 Million
40 – Year Life-Cycle Costs	• Asset Replacement Cost: \$31.8 Million • 40-year Operational Cost: \$13.9 Million	• Asset Replacement Cost: \$39.8.8 Million • 40-year Operational Cost: \$16.7Million
Overall		

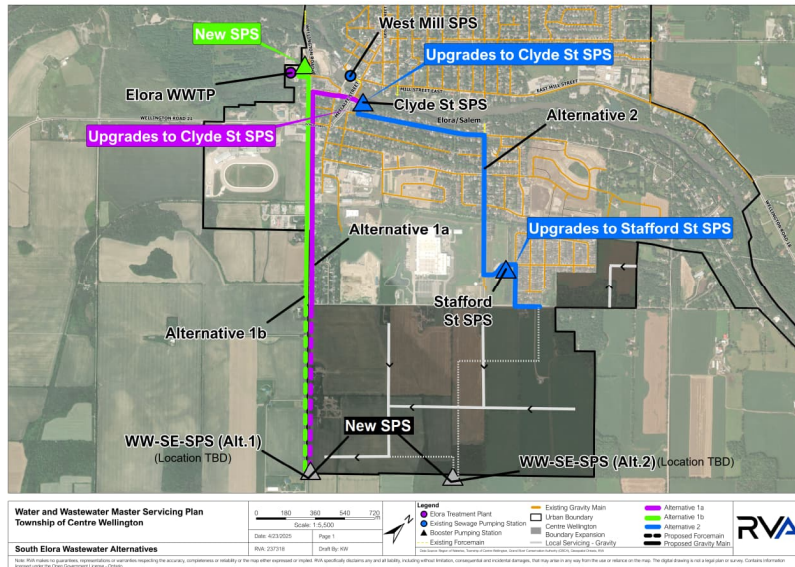
Preferred Alternative



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Wastewater Collection – South Elora Alternatives



Alt.	Name	Description
1 a/b	New Forcemain / Gravity sewer on Wellington Road 7	- New 2,600 m of gravity sewer / forcemain on Road 7 1 km of forcemain to 1st Line 1.6 km of gravity sewer to Carlton Pl - Max sewer depth will be 5 meters - Can be directed to Elora WWTP (1b) or to Clyde St SPS (1a) - Alt. 1a would require an upgrade of Clyde St. SPS - Allows for servicing of potential developments along Road 7 - An internal SPS will be required South-East of the expanded area to be serviced
2	Upgrade Existing System	- Upgrade 2,200 m of gravity sewers on Bridge St and Water St - Upgrade Stafford St SPS - Upgrade Clyde St SPS - An internal SPS will be required South-East of the expanded area to be serviced



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Wastewater Collection – South Elora Alternative Evaluation

Category	1a-New Forcemain/ Gravity Sewers on Wellington Road 7 to Clyde St SPS	1b –New Forcemain/ Gravity Sewers on Wellington Road 7 to Elora WWTP	2-Upgrade Existing System
Technical	- Allows for servicing to boundary expansion area in South Elora. Also allows for servicing to potential developments along Wellington Road 7. - Upgrades To Clyde St SPS	- Allows for servicing to boundary expansion area in South Elora. Also allows for servicing to potential developments along Wellington Road 7. - Does not require Clyde SPS upgrades - Requires new SPS	Allows for servicing to boundary expansion area in South Elora.
Social and Cultural	Will have to limit impact to nearby residents. Majority of construction will be done on a country road which limits potential impacts. Some construction on Carlton Pl.	Will have to limit impact to nearby residents. Majority of construction will be done on a country road which limits potential impacts.	Will have to limit impact to nearby residents and businesses.
Environmental	- Any environmental impacts can be mitigated through standard construction and operational practices - Additional GHG emissions	Any environmental impacts can be mitigated through standard construction and operational practices	- Any environmental impacts can be mitigated through standard construction and operational practices - Additional GHG emissions
Economic	- Capital cost estimated at \$17.2 Million (including Clyde St SPS upgrade) 40-year Operation Cost in Present Value estimated at \$6.7 Million (from new SPS in ER1 area + Clyde St SPS upgrade)	- Capital Cost estimated at \$14.3 Million (including new Elora WWTP SPS) - No 40-year Operation Cost in Present Value estimated at \$6.7 Million (from new SPS in ER1 area and by Elora WWTP)	- Capital estimated at \$25 Million including Clyde St SPS and Stafford St SPS upgrade 40-year Operation Cost in Present Value estimated at \$10.0 Million (from new SPS in ER1 area + Clyde St SPS and Stafford SPS upgrades)
Overall			

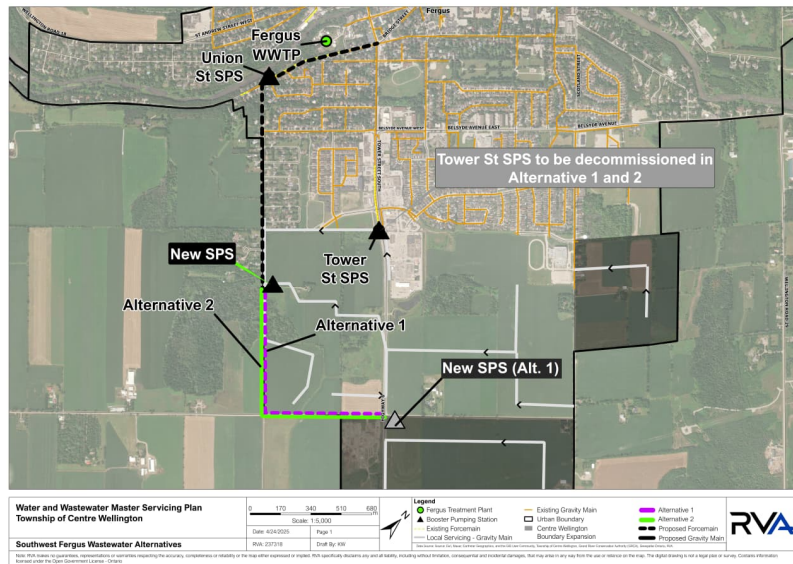
Preferred Alternative



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Wastewater Collection – Southwest Fergus Alternatives



Alt.	Name	Description
1	New 2 SPS and Force mains on Guelph Road – To Fergus WWTP	- New South Fergus SPS - New SPS for southern expansion area (location to be determined) - New 3km of force mains on 2nd Line, Guelph Road, Union St - Decommission Tower St SPS
2	New Gravity Sewer, SPS and Force main on Guelph Road, to Fergus WWTP	- New South Fergus SPS - New 1,300 m of gravity sewer to the South Fergus Proposed SPS - New 1,700 m of force main on Guelph Road, Union St - Decommission Tower St SPS



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Wastewater Collection – Southwest Fergus Alternative Evaluation

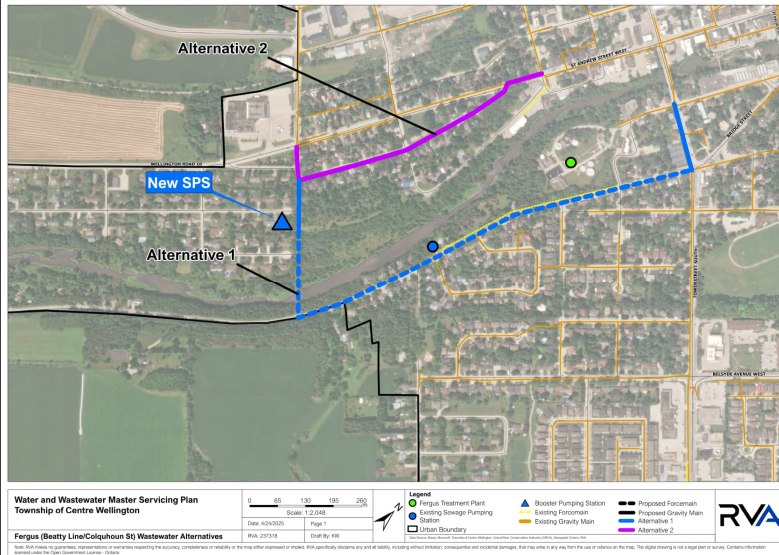
Category	1- Forcemain to New South Fergus SPS	2 – Gravity Sewer to New South Fergus SPS
Technical	- Allows for servicing of boundary expansion area in Southwest Fergus. Also allows for servicing to potential developments south of Guelph Rd. - Allows for a shallower sewer but requires new SPS	- Allows for servicing of boundary expansion area in Southwest Fergus. Also allows for servicing to potential developments south of Guelph Rd. - A deeper sewer allows flow by gravity to the new SPS
Social and Cultural	Will have limited impact to nearby residents. Majority of construction will be done on a country road which limits potential impacts, except for construction on a segment of Union St, Tower St and Queen St W	Will have limited impact to nearby residents. Majority of construction will be done on a country road which limits potential impacts, except for construction on a segment of Union St, Tower St and Queen St W
Environmental	Additional GHG emissions caused by the requirement to construct 2 new SPS. However, Tower St SPS can be decommissioned.	Additional GHG emissions caused by the requirement to construct one new SPS. However, Tower St SPS can be decommissioned.
Economic	- Total Capital Cost estimated at \$31 Million including New Fergus SPS and New SPS to service FE3 40-year Operation Cost in Present Value estimated at \$6.8 Million (from new Fergus SPS and New SPS to service FE3)	- Total Capital Cost estimated at \$25 Million including New Fergus SPS 40-year Operation Cost in Present Value estimated at \$5.0 Million (from new Fergus SPS)
Overall		Preferred Alternative



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Wastewater Collection – Fergus (Beatty Line/Colquhoun St) Alternatives



Alt.	Name	Description
1	Upgrade Existing System	Upgrade 650 m of gravity sewers on Colquhoun St
2	New SPS and Forcemain Crossing Grand River	- New SPS on Beatty Line (92 L/s capacity) - New 250 mm forcemain to cross the river to Fergus WWTP - The new forcemain extends to the Fergus WWTP. The existing Union St SPS connects to the new forcemain.



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Wastewater Collection – Fergus (Beatty Line/Colquhoun St) Alternative Evaluation

Category	1 – Upgrade Existing System	2 – New SPS and Forcemain Crossing Grand River
Technical	Does not trigger upgrade to or construction of a new SPS.	Does not trigger replacement of existing sewers but requires a new SPS, forcemain and a river crossing
Social and Cultural	Will have some impact to nearby residents on Colquhoun St. on 700 m corridor (local road)	- Special attention to Grand river crossing. - Will have some impact to nearby residents on Union St. on 1100 m corridor
Environmental	Does not promote the emission of green house gasses.	Additional GHG emissions caused by the requirement to construct a new SPS.
Economic	- Capital Costs estimated at \$4.0 Million - No associated O&M costs	- Capital Costs estimated at \$13.0 Million including new SPS at Beatty Line 40-year Operation Cost in Present Value estimated at \$3.8 Million (from new Beatty Line SPS)
Overall		

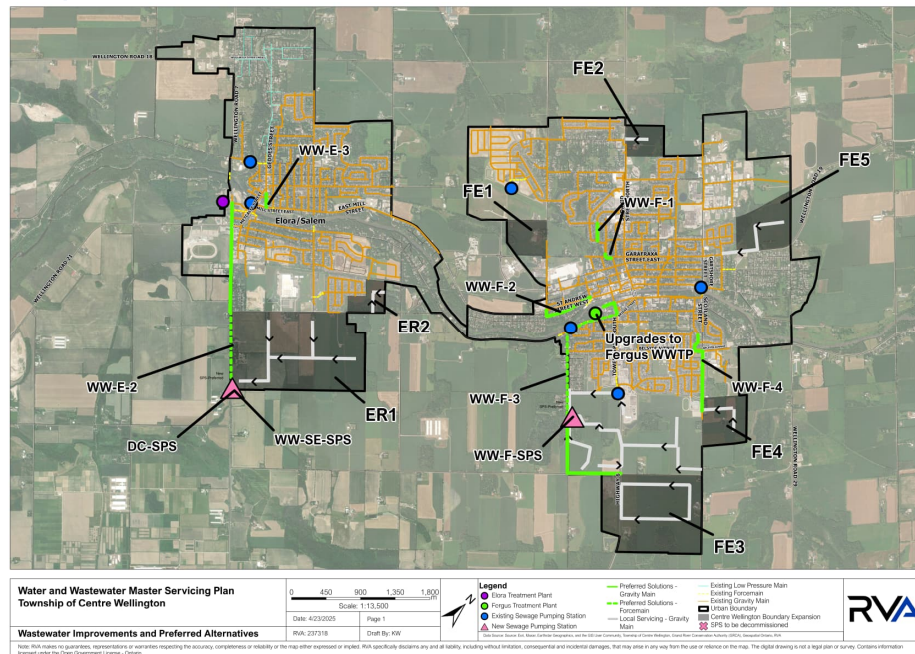
Preferred Alternative



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Wastewater – Improvements and Preferred Alternatives



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Recommended Studies/Initiatives for Risk Management to 2051

The following studies and initiatives are recommended to manage the water and wastewater systems to reduce risk:

- Update Water System Hydraulic Model every 5 years (per study cost \$75,000 in 2025 dollars)
- Fergus WWTP Filter Replacement Study (rebuild sand filters or build new filter system)
- Update Wastewater System Hydraulic Model every 5 years including the provision of flow monitoring as part of the required data collection (per study cost \$150,000 in 2025 dollars)
- Annual Storm Drainage Disconnection Grant Program like the City of St. Thomas' Basement Flooding Grant Program (\$60,000 budget per year)
- Based on review of the Township's 2022 Asset Management Plan (AMP) and the findings of our modeling and risk review, system risks can be managed adequately through the Township's ongoing AMP

GET IN TOUCH

UPDATE YOUR HOME'S DRAINAGE SYSTEMS & PROTECT YOUR HOME FROM SEWER BACK-UPS!

GRANT PROGRAM AND APPLICATION FORMS

1. To learn about the grant program, visit our website at www.stthomas.ca/grants or call 519-336-2222.

2. To receive the grant, you must have a professional engineer or architect certify that your home is at risk of basement flooding.

3. The grant is available for homes with a finished basement.

4. The grant is available for homes with a sewer back-up.

5. The grant is available for homes with a basement flooding.

6. The grant is available for homes with a basement flooding.

7. The grant is available for homes with a basement flooding.

8. The grant is available for homes with a basement flooding.

9. The grant is available for homes with a basement flooding.

10. The grant is available for homes with a basement flooding.

WHAT PROJECTS QUALIFY FOR THE GRANT?

1. Basement foundation repairs

2. Backwater valve installation

3. Sewer line repairs

4. Stormwater management

5. Sump pump installation

6. Basement waterproofing

7. Foundation drainage

8. Basement floor repairs

9. Basement wall repairs

10. Basement ceiling repairs

WHAT ARE THE BENEFITS OF THE PROGRAM?

1. Reduced water damage

2. Increased property value

3. Reduced energy costs

4. Reduced environmental impact

5. Reduced water usage

6. Reduced carbon footprint

7. Reduced greenhouse gas emissions

8. Reduced air pollution

9. Reduced noise pollution

10. Reduced traffic congestion

BASEMENT FLOODING GRANT PROGRAM

STTHMAS



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Next Steps



Establish preferred water and wastewater servicing alternatives and capital implementation plan



Capital infrastructure funding and risk analysis



Water and wastewater servicing master plan report



Notice of completion



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Thank You for Attending!

Questions or Comments?



Complete a comment sheet this evening.



Submit comments to a project team member.



Presentation materials available at: www.connectcw.ca/WWSMP.

Project Team Members

Ryan Maiden, P.Eng.

Water and Wastewater Capital Manager

Township of Centre Wellington

1 MacDonald Square

Elora, ON N0B 1S0

519-846-9691 ext. 285

Rmaiden@centrewellington.ca

John Tyrrell, M.Sc.(Eng.), P.Eng.

Principal

R.V. Anderson Associates Limited

557 Southdale Road East, Suite 200

London ON N6E 1A2

519 681 9916 x5038

jtyrrell@rvanderson.com



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