

**ADDITIONS** AGENDA FOR A REGULAR MEETING OF THE  
TRI-VILLAGE REGIONAL SEWAGE SERVICES COMMISSION  
TO BE HELD WEDNESDAY, MARCH 12<sup>th</sup>, 2025, AT 7:00 P.M.  
AT ALBERTA BEACH COUNCIL CHAMBERS

8) New Business:

b) Water Feasibility Study – Tri Village Region

The tri-village region is undergoing a water distribution feasibility study. The attached email was received from the group which asks the TVRSSC Board to discuss and consider whether the TVRSSC would be amicable to expanding it's scope to include water. Further details can be found in the email.

*(Direction as provided by the Board at meeting time.)*

**Wildwillow Enterprises**

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**From:** Marlene Walsh <cao@valquentin.ca>  
**Sent:** March 5, 2025 8:00 AM  
**To:** Wildwillow Enterprises  
**Cc:** Mike Andrews  
**Subject:** Tri Village Regional Sewer System / Water Fea

Good Morning Angela

At the Water Feasibility Distribution Study Meeting held on January 29, 2025, there was discussion on the governance model options

I was asked to connect with the TVRSSC bring this item forward for discussion and consideration at your upcoming meeting:

**Would there be interest in expanding the TVRSSC to manage both Sewer and Water?**

The following questions were shared with the municipalities for further discussion and recommendation back to MPE Engineering.

**1. Type of Water Utility Service: Should the system be designed as a full-pressure system or trickle-feed system?**

The trickle feed system is more economical for municipalities, requiring smaller pipes, pumps, and reservoirs, but homeowners face higher costs due to the need for cisterns and pumps. In contrast, the full pressure system offers better service and lower homeowner costs but is more expensive for municipalities due to larger pumps and higher operational costs.

**2. Fire Flow Consideration: Will the system need to accommodate fire flow or be designed without fire flow requirements?**

Including fire flow requires larger pipes, distribution lines, and reservoirs to meet firefighting standards. Without fire flow, reservoir can be smaller allowing a single shared reservoir for the Tri-Village.

Governance model also impacts reservoir design, in a municipal utility each village should have a separate reservoir placed in their borders while in a regional commission a shared reservoir can be placed anywhere along the borders.

**3. Reservoir Configuration: Should there be one shared reservoir for all municipalities, or should each have a separate reservoir?**

In a regional commission model, a shared reservoir lowers costs and improves efficiency but limits municipal control. In a municipally owned model, separate reservoirs ensure full control but increase costs due to duplicated infrastructure and maintenance.

**4. Pipeline Installation Method: Should the preferred installation method be open-cut excavation or horizontal directional drilling (HDD)?**

Open trench cutting is preferred in urban areas due to barriers. PVC is favored here since the existing sewer commission (TVRSSC) uses PVC pipes. This means a regional commission model can benefit from existing expertise in PVC installation, reducing training and labor costs.

Alberta Beach and Val Quentin have provided the following preferred options that have been shared with MPE Engineering:

Governance Model: Existing Commission Expansion of TVRSSC

Type of Water Utility Service: Full Pressure System

Fire Flow Consideration: With Fire Flow Requirements

Reservoir: One Shared Reservoir

Pipeline Installation Method: Horizontal Directional Drilling Method

We anticipate receiving the preferred options from Sunset Point following their Council Meeting tomorrow evening.

Overall, expansion to TVRSSC is a more cost-effective and efficient governance option, as it allows for a shared reservoir, compared to three separate reservoirs in a municipality owned model. Expansion to TVRSSC benefits from existing expertise in PVC construction, avoiding the need for each municipality to hire skilled workers. Municipalities would lose direct ownership and control over the reservoir and infrastructure.

WFDS Committee Members, Mayor Jones and Clr Montpellier were both in attendance at the meeting and will be familiar with this discussion.

Please let me know if you require any additional information.

Thanks kindly

Marlene Walsh