



How to get started:

We can customize our engineering services to meet your needs, contact us to get started. Matthew@wts-msr.ca
We apply to FCM for you to get 50% funding, even if funding is not achieved, you pay only 50% it is our Guarantee.

Standard Studies and Scopes of Work:

Desktop Study: at FCM \$10K

This is the most basic study, concept of the required system with an estimated costs +/- 50%.

Feasibility Study: Stage 1 at FCM \$25K

This is our most popular starting scope of work.
Preliminary engineering design with drawings, and a preliminary cost estimate +/-25%.

Feasibility Study: Stage 2 at FCM \$45K

This study will provide a higher level of detail and accuracy in all aspects. The scope of work can include stormwater, wastewater, sludge treatment and enhancement of current infrastructure. Final report presentation to council including cost estimates +/- 15%.

Feasibility Study: Stage 3 at FCM \$75K

This study will expand to include an evaluation of the Carbon Offsets that could be achieved. Higher level of detail and accuracy in all aspects including a Life Cycle Cost Estimate of our wetland, including possible revenue with our team at Carbon Zero to provide the best possible up to date information on the Carbon Market. Natural Green Innovative Wetland Technology that can generate revenue for your community. Site assessment and site visits will be performed throughout the study with a presentation of our final report to council. Engineered detailed drawings and costs estimates +/- 10% will be provided.



WETLAND TREATMENT SOLUTIONS

MSR® Technology Award Winning Engineered
Wetlands for Wastewater Treatment

Specialty Study and Pilot Project:

Specialty studies can be tailored to your needs and include various scopes of work to meet your special interests. Pilot work can be initiated separately or after a favorable result from any of the feasibility studies.

Past Awards for our Wetland Design Work:

Mr. Sharp P. Eng our lead designer, is the designer on record for the largest subsurface engineered wetland treatment projects in Canada. Stephenville NL - 8000 P.E. & Bishop's Falls - 4500 P.E. His past engineered wetland designs have won numerous awards including.

- FCM award for Appleton-Glenwood wetland system
- NRC sustainability award Marystown wetland system
- CWWA Canadian Water & Wastewater Association award Bishop's Falls wetland system
- PEGNL Professional Engineering Association of NL Stephenville wetland system
- Several NL Provincial Dept. of Environment awards for municipal wetland wastewater and sludge treatment
- ACEC Association of Consulting Engineers New Brunswick Meenan's Cove wetland system
- Sharp recognized in 2019 by NEIA NL Environmental Association - Environment Industry Champion Award

Advantages:

Working towards Zero Cost to operate.

With the sale of carbon offsets from our specialized wetland designs we are generating funds with our broker Carbon Zero for our wetland owners. We hope soon to provide our full maintenance for free, through our carbon offsetting program.

Sustainable - Low Operational Costs - Long System Life +75 years - No Electricity - No Chemicals

FIRST CERTIFIED CARBON OFFSETS in NL



Appleton/Glenwood Wastewater Treatment Facility

Population: 1,800 P.E. (Population Equivalent)
Flow Rate: 3,500 m³/day
Wetland Size: 12,000 m²



Stephenville Wastewater Treatment Facility

Population: 7,800 P.E. (Population Equivalent)
Flow Rate: 4,500 m³/day
Wetland Size: 22,000 m²

We look forward to solving your wastewater treatment needs.

Regards,

Matthew Mahon B. Sc
Chemist- Waste Specialist
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