



White Bear Lake Area Comprehensive Plan Meeting #5

Draft Scopes of Service for Two Technical Studies



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metro council.org

Scope of work #1 for discussion

Scope of work for reuse of treated wastewater from local Met Council Interceptors for industrial and agricultural users

- Determine potential treated volumes and potential users.
- Develop reuse water quality goals.
- Review applicable MPCA guidelines for wastewater reuse.
- Identify potential wastewater reuse sites.
- Develop concepts for treatment processes required to treat raw wastewater to meet water quality goals and MPCA guidelines.
- Develop storage, pumping, and conveyance requirements for reuse treatment.

Consultant will provide concept level capital cost estimates, anticipated operating cost estimates, and annualized capital and operating costs

Scope of work #2 for discussion

Scope of work for treating wastewater from local Met Council interceptors and injecting the treated wastewater into the aquifer to raise groundwater elevations

- Identify the MPCA, DNR, MDH, and EPA requirements regarding aquifer injection.
- Identify steps necessary for each above agency to allow for aquifer injection.
- Determine the likely water quality requirements for aquifer injection or groundwater infiltration.
- Develop concepts for treatment processes required to treat raw wastewater to meet aquifer injection water quality requirements.
- Determine aquifer injection rates and injection sites.

Consultant will provide concept level capital cost estimates, anticipated operating cost estimates, and annualized capital and operating costs