

Work Group Meeting #3

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LEGISLATION	SUB-LEGISLATION	POTENTIAL SOLUTIONS TO EVALUATE <i>Place a sticker if you agree this solution should be further evaluated</i>	Vote Totals
Evaluating Methods for Conserving and Recharging Groundwater in the Area	Converting water supplies that are groundwater dependent to total or partial supplies from surface water.	Conveying treated surface water from St. Paul Regional Water Services to north and east communities.	12
		Constructing a regional surface water treatment plant near the chain of lakes in the north metro and convey treated surface water to north and east communities.	8
		Constructing a regional surface water treatment plant near the St. Croix River and convey treated surface water to north and east communities.	3
Are there other surface water sources not on this list that should be evaluated? What are the advantages and disadvantages?		Redirect stormwater to augment White Bear Lake	13
		Close loop system, Las Vegas style	2
		Mississippi river source separate from SPRWS	1

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Evaluating Methods for Conserving and Recharging Groundwater in the Area	Reuse water	Reuse of treated wastewater from local Met Council interceptors for industrial and agricultural users.	12
		Stormwater reuse for irrigation.	9
		Reuse water discharged from contaminated wells.	7
		Reuse of treated wastewater from local Met Council interceptors for flushing toilets and irrigation water.	1
Are there other water reuse methods not on the list that should be evaluated? What are the advantages and disadvantages?			
		Gray water to use in toilets (sink to toilet) overall citizen education and buy-in	3
		Direct injection of treated wastewater/dewatering	3
		Commercial manufacturing cooling	2
Toilet to tap start thinking about treating effluent for potable use	2		

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Evaluating Methods for Conserving and Recharging Groundwater in the Area	Projects designed to increase groundwater recharge	Lake augmentation by pumping treated surface water from the chain of lakes into White Bear Lake.	12
		Treat wastewater from local Met Council interceptors and inject the treated wastewater into the aquifer to raise groundwater elevations.	10
		Stormwater collection and infiltration to raise groundwater elevations.	8
		Combination of lake augmentation and groundwater injection by treated wastewater.	3
		Lake augmentation by treating wastewater from local Met Council interceptors and pumping the treated wastewater into White Bear Lake.	2
Are there other groundwater recharge methods not on this list that should be evaluated? What are the advantages and disadvantages?			
		Augmentation of WBL or injection to groundwater from SPRWS treated water	5
		Closed loop potable reuse - direct potable reuse	2

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LEGISLATION	SUB-LEGISLATION	POTENTIAL SOLUTIONS TO EVALUATE <i>Place a sticker if you agree this solution should be further evaluated</i>	Votes
Evaluating Methods for Conserving and Recharging Groundwater in the Area	Other methods for reducing groundwater use	Lawn watering restrictions (day of week and time)	10
		Alternative turf grasses and landscaping	5
		Tiered increasing block water utility rates	6
		Leak detection and unaccounted for water audits	2
		Smart irrigation control and rain sensor program	1
		Education and outreach	1
		Enforcement of adopted water conservation policies	1
		Commercial and homeowner association irrigation cost share program	0
		Pressure regulation on plumbing systems	0
		Appliances and plumbing fixture efficiency program	0
Are there other methods for conserving or reducing groundwater not on the list that should be evaluated? What are the advantages and disadvantages?			
	Implement/require/encourage non- or less-potable water reuse for irrigation and process water	9	
	Centralized water softening	4	
	Less manicured lawns "turf"	2	
	Require commercial accounts that utilize water for coding equipment to change to other methods for cooling	0	
	Incentivize XERiscaping	0	
Include conservation goals in water supply plans	0		

Questions & Next Steps



1. Water service population projections
2. RFP updates
3. Other topics to present
4. Next meeting date: Late summer to early fall