



October 12 survey results



October 12 survey results (1/5)

Rankings and questions

1. Ranked an alternative 500-780 million gallon per year (MGY) capacity lake augmentation system
2. Ranked stormwater reuse and water efficient plumbing fixtures and appliances as potential water savings solutions as they relate to policy
3. Ranked potential funding methods evaluated after completing the financial dashboard analysis
4. Answered questions related to the financial dashboard analysis

October 12 survey results (2/5)

Rankings for alternative 500-780 MGY capacity lake augmentation system

Potential Water Infrastructure Solution	Rank
26. Augment White Bear Lake from East Vadnais Lake with up to 780 million gallons per year (BGY) of surface water treated for suspended solids, aquatic invasive species, phosphorus, nitrogen, total organic carbon, and manganese in lieu of a 1-2 billion gallons per year capacity	1*
28. Augment White Bear Lake with up to 780 of partially treated surface water purchased from Saint Paul Regional Services (SPRWS) with no additional clarifier and recarbonation/ozonation basin (low range cost estimate) or with an additional clarifier and recarbonation/ozonation basin (high range cost estimate), water booster station, and transmission main in lieu of a 1-2 billion gallons per year capacity	2*
27. Augment White Bear Lake from East Vadnais Lake with up to 780 million gallons per year (BGY) of surface water treated for suspended solids and aquatic invasive species only in lieu of a 1-2 billion gallons per year capacity	3*

* Reflects rankings from only eight work group members. Rankings were needed from other work group members to equally compare the solutions from the first survey.

October 12 survey results (3/5)

Rankings for stormwater reuse and water efficient plumbing fixtures and appliances as potential water savings solutions as they relate to policy

Potential Water Savings Solution (Summary)	Combined Surveys Rankings	9/17 Survey Ranking
1. Install smart controllers on all lawn irrigation systems (day of week and time) (Study 10)	1	1
2. Increase tiered increasing block water utility rates (Study 12)	2	2
3. Alternative low input turf grasses (Study 13)	3	3
5. Replace all remaining outdated plumbing fixtures, water softeners, and appliances with high-efficiency plumbing fixtures, water softeners, and appliances.	4*	NA
4. Implement stormwater reuse for irrigation in existing and future development areas (Study 4)	5*	NA

** Reflects rankings from only eight work group members. Rankings were needed from other work group members to equally compare the solutions from the first survey.*

October 12 survey results (4/5)

Rankings for potential funding methods for the capital costs for an infrastructure solution(s)

Potential Funding for Capital Costs of Infrastructure Solution	Rank
1. Grant from United States Congressional funding	1
2. Grant from State of Minnesota (example - bonding bill)	2
3. Grant from Environmental and Natural Resources Trust Fund (ENRTF)	3
6. Sales tax increase (statewide)	4
4. DNR groundwater appropriation fees increases (statewide)	5
8. Water Availability Fees (WAC) for new development	6
5. DNR groundwater appropriation fees increases (local)	7
7. Sales tax increase (local)	8

October 12 survey results (5/5)

Rankings for potential funding methods for long term Operation and Maintenance (O&M) costs for an infrastructure solution(s)

Potential Funding for Long-term Operations and Maintenance	Rank
1. DNR groundwater appropriation fees increases (statewide)	1
3. Sales tax increase (statewide)	2
2. DNR groundwater appropriation fees increases (local)	3
4. Sales tax increase (local)	4

Additional Questions and Feedback

Refer to the handout for responses to additional questions and feedback.