

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
AV	Conservation	Sum	Promoting best management practices
AV	Conservation	Sum	*Grey water
AV	Conservation	Sum	Region-specific conservation guidelines (state)
AV	Conservation	Sum	Move large users off domestic (parks) grey water
MG	Conservation	Sum	Recharge/treat & inject
MG	Conservation	Sum	Incentivize behavior – consumption
MG	Conservation	Sum	Conservation
MG	Conservation	Sum	Conservation – lack of model for communities
AV	Conservation	4	Re: irrigation practices, efficient design & management
MG	Conservation	3	Lack of conservation
AV	Conservation	2	Reuse - gray water use. Link to limitations
AV	Conservation	1	Instill “sustainability” thinking
AV	Conservation	1	Reuse – put the water back to source
MG	Conservation	1	Conservation, BMPS
MG	Conservation	1	Infrastructure/shaved resources/partnering (Corcoran)
MG	Conservation	1	Conservation/green practices
MG	Conservation	1	Reclamation for landscape use
MG	Conservation	1	GW conservation – efficiency
MG	Conservation	1	Peak demands
Wb	Conservation	1	Altering irrigation use/quantity with education
AV	Conservation		Promote conservation (BMPs)
AV	Conservation		Promoting BMPs for landscape & turf
AV	Conservation		BMPs/Regs that can adjust to changes in good practice, technology (Existing Regs accommodate new ideas in spirit of reg.)
AV	Conservation		Grey water & reclaimed use
AV	Conservation		We’re not utilizing gray water with reuse
AV	Conservation		Landscape plans that encourage water waste
MG	Conservation		Understand ramifications of <u>not</u> conserving, etc.
MG	Conservation		What are we doing to conserve?
MG	Conservation		Look at good uses – waste vs. need? E.g. MNDOT medians
Wb	Conservation		Recycle/reuse wastewater for irrigation (costs)
Wb	Conservation		Opportunity for use of treated WW
Wb	Conservation		Do water utilities adequately encourage conservation? Is water too cheap?
Wb	Conservation		Increase in irrigated green space
Wb	Conservation		Conservation
Wb	Conservation		Adequacy of conservation plans (hard to assess due to lack of data)
ZZ	Conservation		A metro wide sprinkling restriction for surface and ground water, NO sprinkling between noon and six
ZZ	Conservation		I am concerned that the current Water Conservation Plans are not being looked at by the committees, several Cities have already taken steps to conserve.
Wb	Conserve/Data		Development incentives for decreasing use, increasing recharge
AV	Conserve/Education	Sum	*Educating public

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
MG	Conserve/Education	Sum	Public education
MG	Conserve/Education	Sum	Stakeholders education/outreach forums/ Met. Council
AV	Conserve/Education	2	Education – public (rebate program for zero scraping lawns, penalties for watering lawns, block rates)
MG	Conserve/Education	1	Education, Young and old, On mis-using water, including officials & decision-makers
MG	Conserve/Education	1	Education
Wb	Conserve/Education	1	Public education and marketing
AV	Conserve/Education		Public education on a regular basis
Wb	Conserve/Education		User education re: water use/conservation
AV	Conserve/Funding	2	Educating communities on utility funds & conservation issues
Wb	Conserve/Funding		Water is inexpensive & doesn't affect usage
Wb	Conserve/Funding		Conservation resources for communities to offer to private well owners
MG	Conserve/Plan		"Region-wide" discussion on conservation, outreach & all water issues
MG	Conserve/Reg	4	Allocation of annual demand peak daily & seasonal demand
MG	Conserve/Reg	3	Regional requirement /standard for conservation/restrictions
AV	Conserve/Reg	1	Standardize conservation guidelines governed by sustainability criteria, not arbitrary measures
AV	Conserve/Reg	1	Regional reuse (projects, regs.)
AV	Conserve/Reg		Controlling water use – rates vs. regulatory; landscape approaches – water efficient
Wb	Conserve/Reg		Flexible regulations for new/innovative technology
Wb	Conserve/Reg		Disincentives to pump
AV	Data	Sum	**Data & info sharing
AV	Data	Sum	Ground water monitoring
AV	Data	Sum	Good science needed for policy
AV	Data	Sum	Uncertainty of supply availability
AV	Data	Sum	Ground water monitoring redundant
MG	Data	Sum	Data collection & secondary impact
MG	Data	Sum	Need regional information if plan
MG	Data	Sum	Sustaining for future in environmentally sensitive areas
MG	Data	Sum	*Recharge groundwater supplies & surface supplies
Wb	Data	Sum	Sharing info & data
Wb	Data	Sum	Need ID GW Recharge areas (better manage the resource)
Wb	Data	6	Will supplies be recharged?? Aquifers specific locations infiltration/quality issues arise if the recharge happens
Wb	Data	5	Need to identify GW recharge areas
Wb	Data	5	Lack of reliable quantity data (FW) (different models/different sources)
Wb	Data	5	Need data on surface & ground water interaction
AV	Data	4	Integrated water res.
AV	Data	4	Need to ID sustainability of water supply for entire region
MG	Data	4	Surface water effect from withdrawals (quantity)
MG	Data	4	Sufficient storage (river, aquifer contamination)
AV	Data	3	Redundant modeling & other studies is a waste of money
AV	Data	3	Strategic plan for data collection

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
AV	Data	3	Data and information sharing
AV	Data	3	Groundwater modeling requirements for each city are redundant
AV	Data	3	Uncertainty of adequacy of supply over the long-term
AV	Data	3	FIG aquifer (is there adequate supply? DNR forcing cities to go there) FIG aquifer is a low yielding well
AV	Data	3	Need more info about groundwater and how surface/GW interact
MG	Data	3	Regional data on quantity and quality
MG	Data	3	We're all drawing from the same resource, which threatens current capacity
MG	Data	3	PDC/J aquifer – evaluate capacity on regional basis
Wb	Data	3	Met Council can & should collect & share data
Wb	Data	3	Concern over sustainability (use vs. recharge)
Wb	Data	2	Threats to wetlands
AV	Data	1	Regional model doesn't have adequate funding to maintain data (e.g. PCA system)
AV	Data	1	For all types of gr. water data, the state needs to take the lead in standardizing & centralizing data collection & dissemination
AV	Data	1	Analyze data at a regional level
AV	Data	1	Centralize/maintain regional data and ways to share it
AV	Data	1	Impervious areas—adequacy of infiltration basins
AV	Data	1	Recharge & use of drift aquifers – use for irrigation
AV	Data	1	GW sustainability/Recharge estimation
MG	Data	1	More aquifer info/sharing
MG	Data	1	Annual verification of growth
MG	Data	1	Data of regional assessment
MG	Data	1	Infiltration/volume reduction
MG	Data	1	Availability of deeper aquifer
MG	Data	1	Sustainability of GW use & drawdown
MG	Data	1	How can we maximize use of more sensitive sources? (future)
MG	Data	1	Coming detrimental environmental impact (trout streams, etc)
MG	Data	1	Global warming effects
Wb	Data	1	Include outside areas that impact communities within Met Council boundaries in discussions, etc.
Wb	Data	1	Imperv. Surface/maintaining adequate recharge (aquifer level data)
AV	Data		Lack of data, structure/organization that could do the above
AV	Data		Looking at different resources (surface water/quarries/gray water)
AV	Data		Limited GW knowledge
AV	Data		Water supply to fens
AV	Data		Maintaining fens/trout streams
AV	Data		Impacts of higher use, etc. on aquifers
AV	Data		Better data needed, more observation wells, more frequent measurements, would help estimate recharge rates. Stream gauging. Dataloggers.
AV	Data		So/SW data is weak for going into
AV	Data		No scientific data to support recharge of M-S aquifer
AV	Data		Need to consider recharge

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
AV	Data		Concern about defining current supply as surplus
MG	Data		Shallow aquifer running out
MG	Data		Capacity of gw?
MG	Data		GOOD documentation of all interlocal agreements & interconnection
MG	Data		Decreasing quantity
MG	Data		With competition & demand, is the water going to be there to tap?
MG	Data		Demand in future
MG	Data		Delicate balance between sw & gw
MG	Data		Renewability of gw supplies
MG	Data		Muni. Wells – specific focus
Wb	Data		Impact on private wells?
Wb	Data		Coordinate/develop regional water Q data
Wb	Data		Better mapping/quantification of supplies
Wb	Data		Use of deeper aquifers
Wb	Data		Opportunities to ↑ recharge where sensible
Wb	Data		Inaccuracies in DNR database (max. volume available vs. min. needed)
Wb	Data		Global warming
Wb	Data		Limited technical information
Wb	Data		Impact of imperious surfaces to recharge rates
Wb	Data		Act aquifers, beyond PDC/J
ZZ	Data		Concern: Effects of global warming on our water supply in our cities, counties, states, and country in the future.
ZZ	Data		With 2/3 of the metro 7 county on ground water supply and projected growth mostly on ground water supply and all the surface water supply (MPLS +) looking for some interconnectability to ground water supply for backup, <u>infiltration capacity standards</u> on new and redevelopment sites should target 2 yrs + storm events (vs. typical median event or no standard at all). <u>We must recharge our ground water!!</u>
ZZ	Data		I believe we should be looking at management areas related to aquifer, not physical boundaries
AV	Data	3	Department of Agriculture/pattern tiling (4' checkerboard) effect on aquifer recharge; erosion; sw quality—more studies/info
AV	Data/Funding	Sum	*Storm water funding
AV	Data/Funding	1	Share in cost of protecting environmental resources
AV	Data/Plan	Sum	*Recharge & adjacent community impact
MG	Data/Plan	Sum	Infiltration consistency – region
AV	Data/Plan	7	Integrated resource management, integrate land use, water supply, water recharge and sewer plans
Wb	Data/Plan	5	Regional data/analysis to locate resources to determine logical places for growth
AV	Data/Plan	3	Coord'd planning for communities who all draw from any one aquifer – when do we need to go to other aquifers
AV	Data/Plan	3	Not looking at whole system, but city by city (quantity/supply) – need to look at system as a whole
MG	Data/Plan	3	Lack of models/resources for community partnerships
AV	Data/Plan	2	Need to better define region's future demands
Wb	Data/Plan	2	Areas appropriate for GW recharge? => Guidance/understanding/land use decisions

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
Wb	Data/Plan	2	Lack of state-wide/wholistic view of water
AV	Data/Plan	1	Supply adequacy in context of growth
MG	Data/Plan	1	Net loss to aquifers? Recharge areas limits for impervious surfaces
MG	Data/Plan	1	Depletion of aquifers – how does overall metro growth impact supply, costs
MG	Data/Plan	1	Do we have good enough of reliable data to plan regionally? –void to fill-
AV	Data/Plan		Understand impact of “community” wells (collaborative efforts)
AV	Data/Plan		Limited information sharing (water supply plans and other)
AV	Data/Plan		Aquifer limitations N & NW
AV	Data/Plan		Balancing natural amenities with dev.
AV	Data/Plan		Each system has different resources (adequate quantity with wells & storage)
AV	Data/Plan		Availability is not uniform
AV	Data/Plan		Aquifers and demands extend beyond Council jurisdiction
AV	Data/Plan		Inability to quickly adjust when conditions change (i.e. contaminant or reg.)
AV	Data/Plan		Different jurisdictions interpret data differently
MG	Data/Plan		Where’s the water to come from – low producer wells of??? Quality
MG	Data/Plan		Control of water source – limited by neighbor
MG	Data/Plan		New development impact on drawdown & cities’ supplies
Wb	Data/Plan		Regional “comp plan” for water (surface & GW) (optimize excess supply)
Wb	Data/Plan		Management planning by source/source water prot.
Wb	Data/Plan		Big dependence on private wells, with growth
Wb	Data/Plan		Need data on quantity/demand, especially NW metro
AV	Data/Quality	Sum	Agricultural practices (tiling)
AV	Data/Quality	Sum	Impact of chemicals
MG	Data/Quality	6	Adequacy of ground water supply (good quality)
Wb	Data/Quality	3	Rain gardens/GW recharge effect on water quality & increasing rate of return to GW source
Wb	Data/Quality	3	Contamination threat (KARST areas/east metro)
AV	Data/Quality	2	Recharge & contamination in adjacent communities
AV	Data/Quality	2	Agricultural practices
MG	Data/Quality	2	Recharge/raingardens, etc/maintaining quality
AV	Data/Quality	1	Need to respond to storm water management issues raised by impervious surface
AV	Data/Quality	1	Need to identify contaminated supplies, contaminated sources for the region
MG	Data/Quality	1	Public education to prevent surface water pollution
Wb	Data/Quality	1	Identifying contaminated areas
AV	Data/Quality		Nitrates from the edge...is TC water quality going to suffer (pesticides) within recharge area, GW (look at Hastings)
MG	Data/Quality		GW contamination
MG	Data/Quality		Impact of U/S development of Mississippi River as a source
Wb	Data/Quality		Contamination of sources (affects supply)
Wb	Data/Quality		Need data/plans/studies on impact of contamination (accidents or not) at many points
Wb	Data/Quality		Variability of quality within region
Wb	Data/Quality		Expansion of metro into Ag. Areas leading to new/increased contaminant issues

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
Wb	Data/Quality		Storm water management impacts?
Wb	Data/Quality		High volume pumping creating reduced quality
AV	Data/Reg	Sum	Requirements for munis to take care of priv. redundant monitoring
AV	Data/Reg	4	Policy decisions connected to good science
MG	Data/Reg	3	Allocation (community vs. neighbor)
Wb	Data/Reg	3	Issuance of GW withdrawals without understanding consequences/impacts
MG	Data/Reg	2	Address the question of surface water runoff vs. recharge of GW through policy or std.-setting
AV	Data/Reg	1	Examine agriculture regulation
AV	Data/Reg		Paying to "test" to meet DNR requirements – if serves regional info; pay regionally
AV	Data/Reg		Everyone/every jurisdiction has a different opinion about what is a productive well
AV	Data/Reg		Concern about clash between protecting surface water (fens, trout streams, etc.) and water supply demand
Wb	Data/Reg		Continue & expand groundwater monitoring activities. Beyond permits (but we don't want more layers of regulation).
Wb	Data/Reg		Reg. decisions consider quantity and quality
Wb	Data/Reg		Consider SW/GW interaction/impacts
AV	Funding	Sum	Legis. - \$\$ needed
MG	Funding	Sum	Funding
MG	Funding	Sum	*Cost discrepancies
MG	Funding	Sum	Can we find the people & money needed?
Wb	Funding	Sum	Funding
MG	Funding	3	Time/people to run system (professionals)
AV	Funding	2	Legislature should finance this stuff
MG	Funding	2	Cost - Δ between river and groundwater
AV	Funding	1	Funding limitations (township) à centralize, authorize promote centralization
AV	Funding	1	Dedicated funds?
MG	Funding	1	City charter limits retail cost of water
MG	Funding	1	Retail costs of water
MG	Funding	1	Huge cost discrepancy across region's cities (need to assess data on this!)
Wb	Funding	1	Water is inexpensive here—we take it for granted
Wb	Funding	1	People are willing to pay more (taxes) for dr. water protection
Wb	Funding	1	Changing energy costs – water supply treatment/distribution requires energy
Wb	Funding	1	Economic sustainability for local utilities (scale)
AV	Funding		"Tax collectors" for state-wide
AV	Funding		state surcharge à where does it go
AV	Funding		How to appropriate utility & water rate funds within each city
AV	Funding		Not enough money
AV	Funding		Lack of funds—treatment, new supply
AV	Funding		If cities are required to share water supply – there should not be gouging (need pricing equity) – don't hole
MG	Funding		limited money, infrastructure
MG	Funding		Need to identify regional funding options
MG	Funding		Existing fees – do they support water use/regulatory system

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
MG	Funding		Local = fund local
MG	Funding		Who pays for storage for others
MG	Funding		Fiscal
MG	Funding		Grants
MG	Funding		Future regional fees? Funding gap
Wb	Funding		Cost of WW water treatment – do we pay enough?
Wb	Funding		Variability in cost across the region
Wb	Funding		More expensive water supply alternatives
Wb	Funding		Retrofitting \$\$
Wb	Funding		Connection fees
Wb	Funding		Rates are purely a local issue (declining block rates?)
AV	Other	Sum	Prioritizing business needs
MG	Other	Sum	Environment will be felt (future)
MG	Other	Sum	Improvement of economic growth (future)
Wb	Other	Sum	Governance
AV	Other	1	Unequal treatment by interconnected cities (cost & quality drives this)
MG	Other	1	How to create a min. level of drinking water “equity” among new/old systems
MG	Other	1	How to maximize the utility of joint powers across cities?
AV	Other		Cooperation with agricultural industry when it comes to tilling
MG	Other		Unique to water mentality
MG	Other		Legislation to prevent privatization
MG	Other		Reach out to SUSA
MG	Other		Work/ involve other professional organizations like AWWA
MG	Other		Missed opportunities (Woodbury not using St. Paul’s)
Wb	Other		Economic opportunities for areas that are water rich
Wb	Other		Reach upstream on Mississippi River to control “impaired” causes
Wb	Other		Are we planning to supply other areas (TX, NE)
Wb	Other		Privatization
Wb	Other		Public perceptions of inferior quality vs. bottles or due to aesthetics
Wb	Other		Improved engineering
Wb	Other		Bottled water impact to public supplies and water bodies?
Wb	Other		Consumer comparisons: community vs. community
Wb	Other		Perception that GW superior to SW/Mississippi
Wb	Other		Built in incentives to pump
AV	Plan/conserve	Sum	*Planning/coordination – reuse
Wb	Plan/conserve		Quantity/irrigation and peaks => ↑prod. Wells/frtmt. (growth)
AV	Plan/Data	Sum	Integrate water recharge & sewer planning
MG	Plan/Funding	Sum	Economics of scale to respond
AV	Plan/Funding		Manage pricing when sharing
AV	Plan/Funding		Cost-effective means of providing supply
AV	Plan/Funding		Don’t hold others hostage if one location has excess

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
MG	Plan/Funding		Isn't it too costly to have totally independent utilities?
Wb	Plan/Funding		\$\$ to develop sewer/water in new suburbs as metro expands
MG	Plan/Quality		Growth of small communities vs. downstream protection issues
MG	Plan/Security		Talk/address "smart growth" policies & principles – address interconnected systems
AV	Planning	Sum	"Wholistic" approach
AV	Planning	Sum	Consistent plans for drought
AV	Planning	Sum	Wells for growing communities
MG	Planning	Sum	Subregional cooperation
MG	Planning	Sum	Consortium to encourage cooperation
MG	Planning	Sum	Intergovernmental planning/coordination – all stakeholders
MG	Planning	Sum	Recognizing value of individual supply/storage
Wb	Planning	Sum	Link planning efforts
Wb	Planning	Sum	Regional planning
Wb	Planning	Sum	Link supply to growth planning
Wb	Planning	5	GW/SW interaction & land use/planning (aquifer)
MG	Planning	4	Consortium of water entities to encourage cooperation, understanding
MG	Planning	4	Promote inter-governmental planning/coordination for water supply management & use
Wb	Planning	4	Linking supply planning to growth plans
MG	Planning	3	Subregional
MG	Planning	3	Lack of plan for region's use of dw
Wb	Planning	3	Governance (resources vs. pol. boundaries)
AV	Planning	2	Planning & coordination
AV	Planning	2	More wells – growing communities
AV	Planning	2	Community plans should align with regional plan
MG	Planning	2	Inter-utility cooperation , energy supply, interferences, security
Wb	Planning	2	Link land use planning to water supply
AV	Planning	1	Communities working together on water supply issues
AV	Planning	1	Need to standardize balance environment & growth objectives
AV	Planning	1	Need to engage: dev. commun., builders
MG	Planning	1	Joint powers , some role for regional coord. & guidance
MG	Planning	1	Sharing infrastructure (e.g. treatment plan)
MG	Planning	1	Use more MS River water in region
MG	Planning	1	Parochial – people want it local (find out why)
MG	Planning	1	Look for regional examples for communities to consider a broader approach
MG	Planning	1	Allocation (growth vs. supply)
Wb	Planning	1	Met Council fill role as regional planner
Wb	Planning	1	Does Metro Area Growth Planning consider water availability
Wb	Planning	1	Need for coordination in supply planning/development
AV	Planning		Smaller communities lack resources (expertise) for mandated planning (e.g. emergency & conservation planning)
AV	Planning		More resources for workgroups

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
AV	Planning		Projecting demand for the future
AV	Planning		Plan for region (i.e. CA Ur. W. R. C.)
AV	Planning		How to balance local control and regional plans
AV	Planning		Lack of sub-regional work groups
AV	Planning		Don't take options "off the table" (i.e. regional system)
MG	Planning		Region-look: Consistency in agreements already in existence
MG	Planning		Interconnected trunk system
MG	Planning		Interlocal agreements (supply & storage)
MG	Planning		Overlap with other key government/utility services – to learn from them
MG	Planning		W. projected growth
MG	Planning		Development, but retain small town (rural, natural) character
MG	Planning		Little link to growth & growth plans
Wb	Planning		Cooperative efforts among communities (surveillance, mutual aid, etc.)
Wb	Planning		Coord. capital programs across jurisdictions
Wb	Planning		Cross-community coordination/planning: Sources, infrastructure, etc.; Incentives for communities to do this
Wb	Planning		Sub/regional advisory role
Wb	Planning		Planning at local level for land use/development
Wb	Planning		Sub-regional treatment facilities to deal with rising costs
MG	Plannig		Developing western suburbs
MG	Quality	Sum	*Quality concerns
MG	Quality	Sum	*Contamination
AV	Quality	3	Impact of chemicals
MG	Quality	2	Ground water contamination
MG	Quality		Quality concern of too long storage
MG	Quality		Quality – radon? MDH standard & community preference
MG	Reg/Funding		Regulatory costs (increasing contamination regulation)
MG	Reg/Funding		With new SDWA std.s or contaminants, costs of treatment going up
Wb	Reg/Funding		Regulatory impacts to cost (unfunded mandates)
AV	Regulatory	Sum	One process for decisions (caveat – underground features to vary)
AV	Regulatory	Sum	One contact
AV	Regulatory	Sum	Agric.
AV	Regulatory	Sum	*Roles & partnership/spirit vs./ regulation (alternative partnerships)
AV	Regulatory	Sum	*Work together; no additional layer
AV	Regulatory	Sum	****Streamline permit process up front
AV	Regulatory	Sum	*Unnecessary limitation FIG
MG	Regulatory	Sum	Allocation – Annual, Seasonal, Peak
MG	Regulatory	Sum	Permit enforcement (?) & fairness
MG	Regulatory	Sum	Standard requirements
MG	Regulatory	Sum	Allocation – finite resource
MG	Regulatory	Sum	Coordinating regulation/consistency for DW, municipality
MG	Regulatory	Sum	(Storage) Is another agency needed?

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
AV	Regulatory	5	One groundwater contact (one-stop shopping) at state without creating another layer
AV	Regulatory	5	Process needs to be streamlined up front, not at the end of the process
AV	Regulatory	4	Need to define roles/partnership of agencies: Met Council, DNR, MDH
AV	Regulatory	3	Streamlining DNR/MDH/Met Council processes & timing requirements
AV	Regulatory	3	Who is in charge of groundwater (which state agency) & consistency within agencies (policies, etc.)
MG	Regulatory	3	Concern about more complicated processes
MG	Regulatory	3	If permits for water use. Are they equitably enforced?
MG	Regulatory	3	Regulatory process doesn't fit with regional priorities impede progress...
Wb	Regulatory	3	Met Council can & should consolidate & streamline regulatory activity between state agencies
AV	Regulatory	2	Private failure assumptions for munis.
AV	Regulatory	2	Regulatory bottlenecks, speed up review
AV	Regulatory	2	Bottlenecks in DNR approp. process
AV	Regulatory	2	Allocation of Mt. Simon/Hink aquifer : No reward for lower per capita use; Blending of sources not allowed
MG	Regulatory	2	Streamline "allocation" policies - consistency
MG	Regulatory	2	Working relationships/streamlining of MPCA, MDA & DNR processes
MG	Regulatory	2	Concern about losing local control
Wb	Regulatory	2	How to minimize negative impact of (our) work with other water entities & agencies and maximize benefits
Wb	Regulatory	2	Finite resource & allocation-mechanism to determine who gets what first come, first serve vs. impact analysis)
Wb	Regulatory	2	Regulatory restrictions on use of supplies
AV	Regulatory	1	Streamline regs
AV	Regulatory	1	Private vs. municipal controls wells: inequities
AV	Regulatory	1	Regulate private wells (24 or less of community systems) – takes 2 permits-make 1 (health & DNR)
AV	Regulatory	1	Problems applying conservation mandate based on geographically inappropriate standards
AV	Regulatory	1	Unfunded mandates/additional regulations
AV	Regulatory	1	Equal opportunity for limited resources (well appropriations)
AV	Regulatory	1	Municipal water ban uniformity/dollars lost?
AV	Regulatory	1	Different & multiply reporting requirements – needs to be a single report for all
MG	Regulatory	1	Increasing regulated contaminants
MG	Regulatory	1	Opportunity; political boundaries ≠ supply availability => process reflects
MG	Regulatory	1	Address conservation
MG	Regulatory	1	Preventing pollution
MG	Regulatory	1	Allowing growth while conserving DNR, MPCA
MG	Regulatory	1	Use by appropriation – how controlled
MG	Regulatory	1	DNR, AG, Met Council, others
MG	Regulatory	1	How roles coordinated/reconciled
Wb	Regulatory	1	Overlapping/inconsistent goals/objectives of agencies (storm water plans vs. well-head prot.)
AV	Regulatory		Some cities have roadblocks (fens, etc.), others don't – equity
AV	Regulatory		Quality – reevaluate agricultural BMPs – MSH prohibit industrial; use/save for DW
AV	Regulatory		Test all wells & septic prior to sale to meet ST quality standards (TBD)
AV	Regulatory		Order of permitting process permit AFTER!?!? Drilling well

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
AV	Regulatory		Need a more active MPCA (better funded) for better water supply
AV	Regulatory		Is appropriation permit appropriate role for Council (Health, DNR) (competing growth goals/directions) (new growth being dictated by Council)
AV	Regulatory		Disproportionate ratio hurts new communities
AV	Regulatory		Disagreements among watershed districts
AV	Regulatory		Enforcing E & C plans – education/landscaping/fountains
AV	Regulatory		Multiple jurisdictions involved (too many)
AV	Regulatory		Multiple agency review for permitting processes
MG	Regulatory		Region-wide” regulation/statutes
MG	Regulatory		If all forms/terms would be made similar among all agencies & utilities
MG	Regulatory		Additional regulations (Met. Council)
MG	Regulatory		No more layers; improved process
MG	Regulatory		Water utility representative on advisory council
MG	Regulatory		Metro wide conservation guidelines for consistency (restrictions)
MG	Regulatory		New laws
MG	Regulatory		What can be done to supplement (DNR, MPCA, Health)
MG	Regulatory		No coordinating agency regionally
MG	Regulatory		Limited cooperation
MG	Regulatory		Facing increasing demand for better quality (reg. or not)
MG	Regulatory		Reg. requirements will make it touch for small utilities to keep up/comply
MG	Regulatory		Local control vs. optimization
Wb	Regulatory		State agency-level coordination/communication
Wb	Regulatory		Irrigation policies
Wb	Regulatory		Streamlining reg. process can stimulate economic activity
Wb	Regulatory		Regulating water use (drainfields, etc.)
Wb	Regulatory		Regulations often at cross-purposes
ZZ	Regulatory		I'm concerned about the inconsistency of water management policies among local utilities and cities. The opportunity is to create more uniformity among water managers and regulators regarding water management. Developers benefit from consistent policies across communities regarding water allocations and extensions.
Wb	Security	1	Redundancy is currently not adequate
AV	Security	Sum	Drought study
MG	Security	Sum	Alternative supply
MG	Security	Sum	Preparation for drought
MG	Security	Sum	*Security & aesthetics
MG	Security	Sum	*Supply/alternate supply
MG	Security	Sum	*Redundancy
Wb	Security	Sum	Interconnection
Wb	Security	Sum	Need redundancy in supply
Wb	Security	Sum	Vulnerable supply sources
AV	Security	3	Planning for droughts – privatizing business vs. residential impacts

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
AV	Security	3	Plans needed for unexpected emergencies
MG	Security	3	Security of distribution systems/pump houses
MG	Security	3	Redundancy of supply
MG	Security	3	Not prepared to deal with drought
Wb	Security	3	Lack of redundant supply
MG	Security	2	Emergency interconnection (lack of existing)
MG	Security	2	No back-up supplies for major portion of region
MG	Security	2	Emergency backup – regional role? Interconnections
Wb	Security	2	Protection from contamination
Wb	Security	2	Interconnections
Wb	Security	2	Act supply/not just interconnects
AV	Security	1	Water testing of private
AV	Security	1	Need contingency plan, esp. an event in Mississippi River including firefighting
AV	Security	1	Define “safety”
MG	Security	1	Interconnections between cities for emergency backup
MG	Security	1	Vulnerability assessments just done – keep them secure & secure system of trusted operators
MG	Security	1	Emergency response with supply
MG	Security	1	Safety/Security
Wb	Security	1	Source water protection concerns
AV	Security		Need inter-connections to be prepared for crisis/emergency & peaking
AV	Security		System for disaster recovery (WARN) including redundancy, but also personnel, equipment. Etc
AV	Security		Interconnects – problems with appropriately-sized trunk lines/water quality/pressures
AV	Security		ID susceptibilities regionwide
AV	Security		MSP Interconnect not well-defined
MG	Security		Mpls needing back-up supply (threat) in case of spills
MG	Security		Backup (viable) to surface water (Crystal)
MG	Security		Keeping source water safe
MG	Security		Limitations on use of security systems – cost and technical issues
MG	Security		Terrorism
MG	Security		Infrastructure – keep up with BIO issues
MG	Security		Easy to affect large population: -centralized, -large reliance, -1 river (“terrorist”)/5 aquifers (“chronic”)
MG	Security		Privatization (also security)
MG	Security		Security: desire for max. vs. cost, back-up power, water towers, inter-com
Wb	Security		Regional component to inform/take action in event of contamination event
Wb	Security		Back up (lack of St. Paul/Minneapolis interconnect) – extend to other communities
Wb	Security		Does the region have a drought supply plan? By basin
Wb	Security		Hype vs. reality?
Wb	Security		Security of distribution nodes/pumphouses
Wb	Security		Maybe not a bigger issue
Wb	Security		Supply of treatment supplies (e.g. chlorine]
Wb	Security		More secure – distributed producers AND we need redundancy

Water Supply Workshop Comments - For Discussion at MAWSAC 6/22/06

Wksp	Category	Dots	Comment
Wb	Security		How much system info should be public (vulnerability—vulnerable to compatibility)
Wb	Security		Sophisticated vandalism
Wb	Security		Disgruntled employees as potential threats
Wb	Security		Security – minor in comparison with contamination threat
MG	Security	Sum	Redundancy
MG	Security	Sum	Security of distribution
MG	Security	2	Interconnects
AV	Security/Education	Sum	Education not working
AV	Security/Education	2	Public awareness is low & holding. Education (current efforts) doesn't work well
Wb	Security/Education	1	Upstream, public misunderstanding of flow/source they/we need to protect the supply
MG	Security/Funding	4	Alternate supplies (gw/sw) and infrastructure-costs
MG	Security/Funding	2	Contamination (& clean up money)
MG	Security/Funding	1	24/7 resources; electrical/energy costs interconnects
MG	Security/Funding	1	Unfunded quality reqmts/impacts
Wb	Security/Funding	1	Econ. development tends to "trump" source water protection in many cases
MG	Security/Funding		Increased security, it will cost more to have a secure system
MG	Security/Funding		How to fund for interconnections
MG	Security/Quality	Sum	*Source water protection
MG	Security/Quality	8	Protection of source, shallow ground water, surface water contamination, runoff, regulations (EPA)
MG	Security/Quality	5	Source water protection (river & groundwater) (chronic watershed issues)
AV	Security/Quality		Properly closing wells
AV	Security/Quality		Supplies vulnerable to hazardous waste, accidents
MG	Security/Quality		Shallow aquifer/runoff
Key			
Data - Data/Analysis Issue			
Security - Safety/Security Issue			
Funding - Financing/Funding/Cost Issue			
Reg/Regulatory - Regulatory/Permitting issue			
Conservation/Conserve - Water Conservation Issue			
Quality - Water Quality Issue			
AV	June 7 in Apple Valley		
Wb	May 31, Woodbury		
MG	May 24, Maple Grove Government Center		
ZZ	Comments received outside workshops		