



Metropolitan Area Water Supply Advisory Committee

Master Water Supply Plan

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Master Plan Updates



- **Update forecasts with community comprehensive plan forecasts (Appendix 2)**
- **Apply uniform methodology to screening for**
 - surface water impact analysis
 - well interference
- **Improve water appropriation permitting guidance (Appendix 3)**

Plan update approach



- **Collected local water supply plan demand forecasts**
- **Evaluated and tested screening methods**
- **Tracked water appropriation requests and approvals**
 - Hugo
 - Chanhassen
 - Prior Lake
 - Richfield
 - Columbus
- **Collaborated closely with DNR**
- **Gathered input from AWWA Water Utility Council and SMGWG**

Update Forecasts



- Incorporated population and water use projections from local water supply plans (comprehensive plan)
- Ran model with updated water use projections
- Updated issues flagged for each community

Surface water impact analysis



Original screening method:

- Did not consider topographically low areas where gw pumping may impact sw

Updated screening method:

- Uniform methodology applied throughout the metro regardless of land surface elevation

Well Interference Screening



Original screening method:

- Areas where >20 feet of drawdown projected increased likelihood of well interference

Updated screening method:

- Due to prevalence of private wells in virtually all communities, some risk of interference is always present

Improved Guidance (Appendix 3)



- **Improve organization and clarify language**
 - **Outline specific information communities must submit so that the DNR can evaluate permit requests**
 - **Outline permit conditions communities should expect given specific water supply issues**
 - **Edit text in report to match**
- Monitoring and Mitigation Plan (Management Plan)**

Appendix 3 Comments



- **Need to clarify what Appendix 3 is, guidance vs. requirements**
- **Balance between clearly identifying requirements and allowing for flexibility for site specific conditions**
- **Ensure that data collection frequency is necessary and will be useful**
- **How do the issues identified on the profiles and the resulting actions take into consideration affects of other appropriators**

Results



- **Updates to profiles (population forecasts, issue identification)**
- **Screening Methods**
 - Consistent method applied to screening for potential surface water impacts
 - Steps for all communities to evaluate local potential for well interference
- **Clearer guidance regarding required information for appropriation requests (additional edits necessary based on recent comments)**

Next Steps



- Final edits to Appendix 3 and plan
- Distribute to Advisory Committee in December
- Advisory Committee plan approval January 28th, 2010
- Metropolitan Council and DNR approval of Master Plan

Proposed Plan Update Process



Annual Advisory Committee Review of:

- Ongoing Data collection and analysis
- Update of issue screening and profiles
- Reevaluation of appropriation permit guidance

Full plan update every 10 years - State Water Plan and/or Regional Development Framework