Update on the Conceptual Drinking Water Supply Plan

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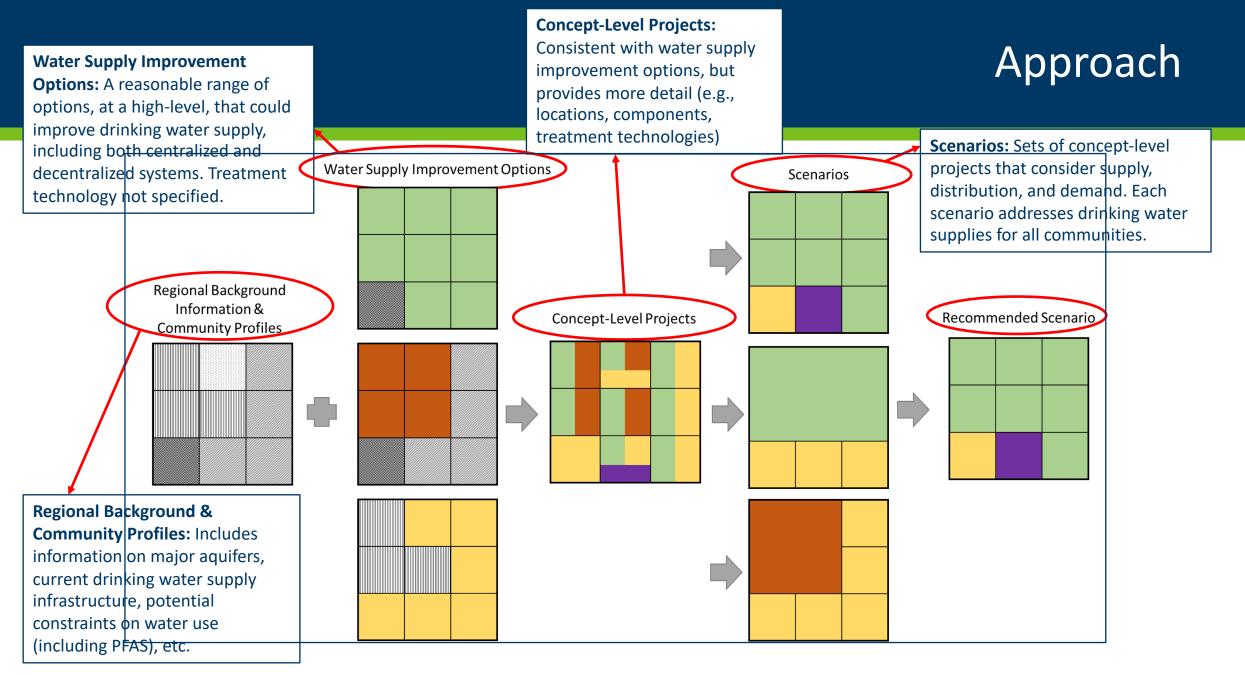
Purpose and Outcomes

• Purpose:

- Present a conceptual plan for providing clean, sustainable drinking water that addresses each community's needs now and in the future
- Takes into account both drinking water systems and private wells, using a region-wide approach

Outcomes:

- A recommended set of projects (at a concept-level), that when combined, address drinking water supplies for all communities in the East Metropolitan Area
- Following plan completion, these concept-level projects will be further refined with project-specific implementation plans (developed by LGUs or others)



Supported by water system and groundwater modeling

Water Supply Improvement Options

List of initial options for consideration (listed in no particular order):

- Drill new wells in optimized locations*.
- Connect subsets of communities to St. Paul Regional Water Services*.
- Create new surface water treatment plant for use of Mississippi or St. Croix River waters*.
- Create new regional water supply system(s) (with treatment).
- Create new rural drinking water supply system(s) (with treatment).
- Move private well hookups to existing drinking water supply system(s) (where available).
- Provide drinking water treatment of existing water supply system(s).
- Provide point of use or point of entry treatment of drinking water.
- Non-potable and potable reuse of treated 3M containment water*.
- Minimize water well usage by reducing current potable demand, through:
 - Beneficial use of other non-treated or less treated waters (e.g., grey water, storm water).
 - Water conservation.

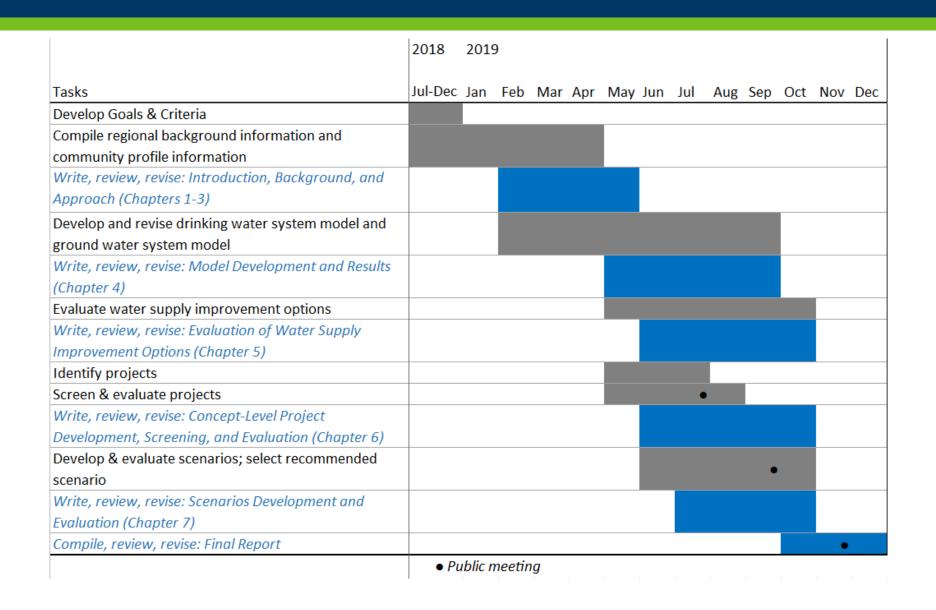
^{*}Included in the Washington County Municipal Water Coalition Water Supply Feasibility Assessment (https://metrocouncil.org/Wastewater-Water-Publications-And-Resources/WATER-SUPPLY-PLANNING/Washington-County-Municipal-Water-Coalition.aspx).

CDWSP Outline

Chapter/Content

- Introduction
 Background
 Soon to be ready for review
 Approach
- 4. Model Development and Results
- 5. Evaluation of Water Supply Improvement Options
- 6. Concept-level Project Development, Screening, and Evaluation
- 7. Scenario Development and Evaluation
- 8. Summary and Conclusions

Timeline



Requested Review by Work Groups

- Your review of Chapters 1-3 (Introduction, Background, Approach) would be greatly appreciated
 - Chapter 1: Overview of the Agreement, overview of the Conceptual Plan, next steps
 - Chapter 2: Regional overview (groundwater, surface water, PFAS contamination), and community water supply profiles
 - Chapter 3: Key terms, overview of approach, overview of modeling effort

Requested Review by Work Groups

- Please focus your review on the overall content and structure (editing to come later)
 - Are key pieces of information missing?
 - Is there any information that is incorrect?
 - Is there anything that is confusing and/or needs more clarification?
- Please submit comments to Walker Smith by COB Friday, May 10th
 - Comments are requested to be provided in a spreadsheet
- You will get a chance to review these chapters again during review of the entire Plan, which is scheduled for Oct/Nov

Questions or Comments?