

APPENDIX A

Original Charter of the Reclaimed Water Technical Committee

Reclaimed Water
Proposed Charter for Technical Subcommittee
Regional Water Supply Planning Process
Draft 1/13/06 (Revised to show Executive Committee changes)

1. Expected Work Product:

The final report will be a thorough analysis of the costs and benefits of using reclaimed water as an alternative source of supply. It will include a set of reclaimed water projects recommended by the Technical Subcommittee that can occur within the King County Wastewater Treatment Division (KC WTD) service area. The report will also include recommendations for actions to remove barriers and constraints to the use of reclaimed water and a plan for introducing the recommendations to various governing bodies including district commissioners, Metropolitan Water Pollution Abatement Advisory Committee, the King County Council and its Regional Water Quality Committee.

Other products will be maps showing the current and 2020 reclaimed water availability in the KC WTD service area and areas of potential demand. The cost of reclaimed water from the WTD system will also be provided, as well as an evaluation of revenue sources other than the wastewater rate.

2. Purpose/Objectives:

The purpose will be to provide technical information concerning the use of reclaimed water (demands, alternatives, costs of production and conveyance, and environmental benefits). The information and work products developed will be suitable for inclusion in new or updated Coordinated Water Supply Plans (CWSPs) in King County, as well as for planning and water resource management decisions in areas not covered by CWSPs and in the watersheds of the major WRIAs of King County.

3. Scope:

The scope of work for this committee can be divided into three phases:

Phase 1: Production Analysis

KC WTD will provide an analysis of the volumes of reclaimed water that could be produced from key components of its system: its regional treatment plants, major conveyance lines and pump stations. In addition to an analysis of the potential volume of reclaimed water available from these locations, King County will calculate the cost of producing this water and time frames for making the water available. Parties interested in the approach for this analysis are encouraged to participate.

Phase 2: Demand Analysis

Analysis of the demand for reclaimed water will be a collaborative effort, with members of the subcommittee providing information on potential users and demand. These users are likely to be golf courses, cemeteries, and parks that have large irrigation areas, as well as agricultural, horticultural, or industrial water users. The subcommittee will use existing information already developed on potential customers and will explore other opportunities that participants identify. This will be accomplished by a series of workshops with purveyors, potential users, and reclaimed water suppliers.

Phase 3: Identification of Opportunities and Costs

Subcommittee members will use production and demand data to develop the most likely points of use and the costs of conveyance and technology needed to develop projects. The subcommittee will also discuss and propose solutions to various issues associated with use of reclaimed water, such as wholesale-retail relationships and pricing. The subcommittee will identify early action projects with interested and willing partners.

For the most effective evaluation of reclaimed water opportunities, this subcommittee will need to work in conjunction with subcommittees on Source Exchange Strategies and Prioritization of Tributaries.

4. Schedule:

- Phase 1: Starts immediately. Draft cost model completed by January 2006.
- Phase 2: Starts February 2006. Completed by June 2006.
- Phase 3: Starts spring 2006. Completed by October 2006.

5. Funding:

To the extent that consultant costs will be incurred, they will be borne by KC WTD. KC WTD will be providing the resources for mapping and other data analysis. If the area covered extends outside the King County service area, funding will need to come from other sources.

6. Possible Technical Subcommittee membership to develop and review work product:

- King County Wastewater Treatment Division
- Water and sewer utilities interested in the use of reclaimed water
- Muckleshoot Indian Tribe
- Washington Department of Ecology
- Washington Department of Health
- Potential user groups

Other utilities or entities outside the King County service area that are pursuing reclaimed water opportunities, such as Lakehaven, LOTT, Tacoma, and Everett, will be solicited to participate as part of the broader discussion of demand and supply that covers the three-county area.

Membership in the subcommittee is completely voluntary. Depending on the size of the subcommittee, some of its tasks may be spearheaded by smaller teams of volunteers.

7. Questions to be addressed from Appendix B of Planning Framework Summary

- a. Where are the current and future opportunities for the use of reclaimed water?
- b. Is the proposal by King County cost-effective? [What are the costs to produce reclaimed water and what are the costs to utilities to deliver reclaimed water?]
- c. In evaluating costs and pricing policies for reclaimed water, how should costs be allocated between wastewater and water utilities?
- d. Where are the opportunities to use reclaimed water as part of source exchange to benefit vulnerable tributaries?
- e. Are there opportunities to use reclaimed water for ground application to help augment flows in streams and tributaries identified as vulnerable?

The questions listed above illustrate the degree of overlap between the work of the Reclaimed Water Technical Subcommittee and the subcommittees for Source Exchange Strategies and Prioritization of Tributaries.