

Reclaimed Water Comprehensive Plan

MWPAAC Engineering & Planning
Subcommittee
October 1, 2008



King County

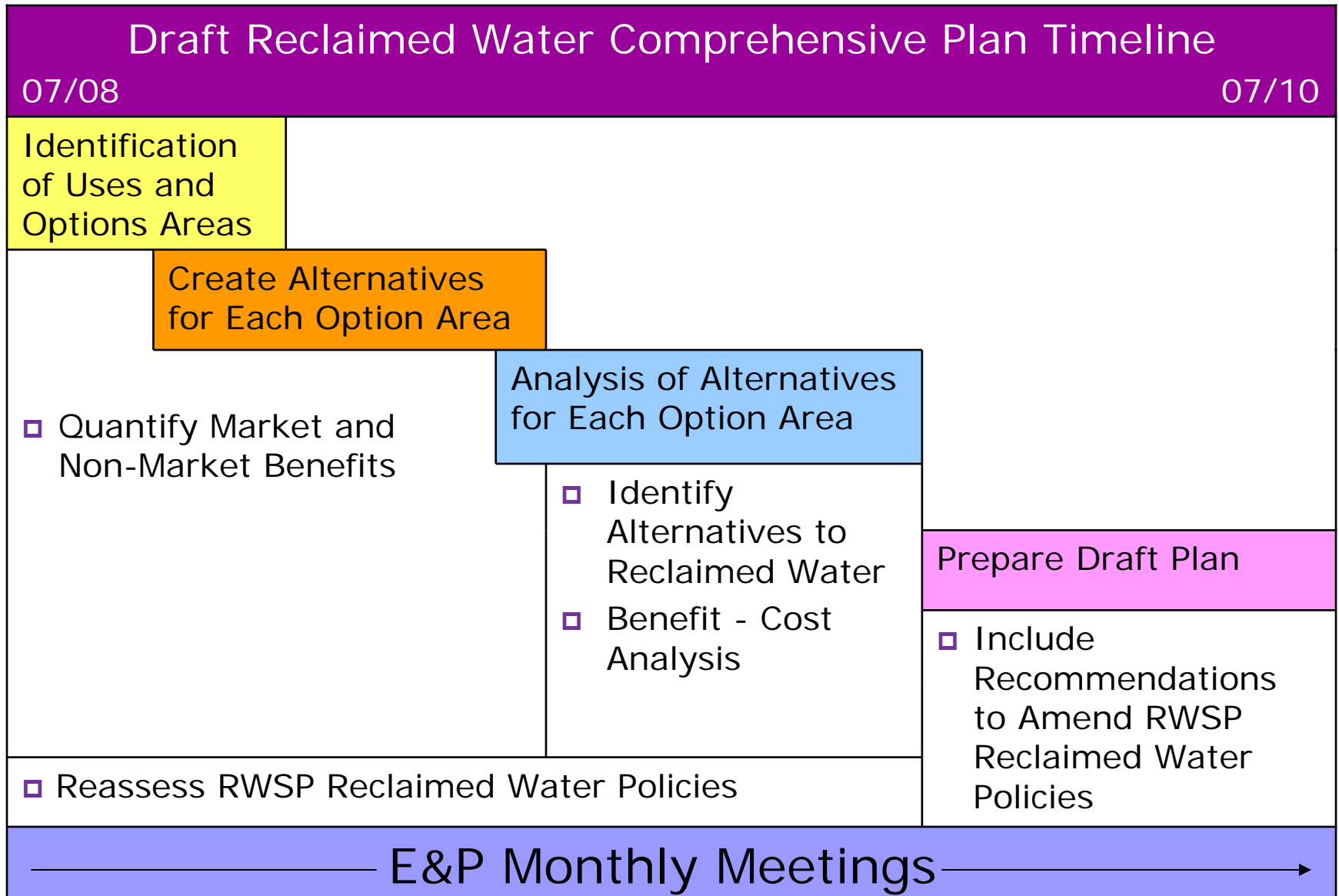
Department of Natural Resources and Parks
Wastewater Treatment Division



Expected Outcomes of Plan

- Identification of problems and opportunities that reclaimed water can address
- Prioritized uses of reclaimed water
- Potential facility alternatives to serve uses
- Recommendations for future analysis
- Financing plan, including recommendations on cost allocation
- Amended RWSP reclaimed water policies

Where Elements of MWPAAC July 11 Letter Will Be Addressed



Reclaimed Water: Where Do We Go From Here?

King County Wastewater Treatment Division's
Draft Reclaimed Water Comprehensive Planning Process



Planning for the Future: Serving Potential Uses



Additional
Wetlands
Enhancement



Ground Water
Recharge



Stream Flow
Augmentation



Additional
Industrial Uses



Additional
Irrigation Uses



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Last updated on: 4/4/08



Break



Purpose & Use of Guidance Criteria

- ❑ Provide opportunity for stakeholders to help shape the planning process at the start of the process
- ❑ Help prioritize potential uses of reclaimed water and develop facility alternatives to serve those uses
- ❑ Provide consistency and balance throughout the planning process
- ❑ Ensure identified potential reclaimed water uses are evaluated in the same manner and at a similar level of detail



Discussion on Guidance Criteria

- ❑ What do you view as the priority issues to help guide the planning process and development of the Reclaimed Water Comprehensive Plan?
- ❑ What are the criteria or questions that you would like to see uniformly applied or asked during the process to identify and prioritize reclaimed water uses and to develop facility alternatives to serve those uses?
- ❑ What are the items most important to you for the Reclaimed Water Comprehensive Plan to consider?



Example Criteria – for discussion purposes

□ **Environmental**

- Seek reclaimed water uses that meet a non-potable demand
- Seek reclaimed water uses that extend the life or volume of potable water supplies (e.g. indirect groundwater augmentation)
- Seek uses that produce multiple benefits (e.g., wetlands maintenance and then ground water recharge)
- Seek uses that address habitat needs of listed and sensitive species and/or habitat identified as a limiting factor
- Seek reclaimed water uses that will maximize the ability to reduce the amount of effluent discharged to Puget Sound



Example Criteria – for discussion purposes

□ **Public Health**

- Seek reclaimed water uses that have the potential to protect and improve flows, temperatures, or quality of water bodies (e.g., reduce water withdrawals from rivers, streams)

□ **Operational**

- Seek reclaimed water uses that support the efficient and safe operation of King County's regional wastewater treatment system
- Seek uses that maximize year-round re-use opportunities
- Seek to serve uses that utilize existing and planned wastewater facilities



Example Criteria – for discussion purposes

□ **Financial**

- Seek reclaimed water uses where cumulative benefits (environmental, social, and financial) are greater than the costs to provide reclaimed water
- Seek reclaimed water uses that generate revenue to offset reclaimed water costs
- Seek to develop reclaimed water uses that may help to avoid or postpone the need for identified wastewater capital investments
- Seek out reclaimed water uses for which multiple funding sources may be available



Example Criteria – for discussion purposes

□ **Community**

- Seek to identify reclaimed water uses that enhance and provide benefits to people in the vicinity of the use
- Seek reclaimed water uses that minimize construction and operation impacts on the nearby community
- Seek uses with a known and willing end user with an immediate need
- Seek reclaimed water uses that help meet the goals of King County plans and initiatives; such as the King County Comprehensive Plan, Climate Plan, Equity and Social Justice Initiative, Rural Initiative, and initiatives to promote and enhance agriculture (e.g., Puget Sound Fresh and Farm Link Programs)
- Seek to identify reclaimed water uses that help meet the Puget Sound Partnership goals to clean up and restore Puget Sound by 2020



Next Steps to Finalize Guidance Criteria

- ❑ Continue discussing guidance criteria with stakeholders and at October 30 workshop
- ❑ Using information gathered, King County Executive proposes guidance criteria to King County Council
- ❑ Council process will include review and recommendation from RWQC
- ❑ Additional opportunities for stakeholder input during the council review and approval process
- ❑ Council-approved guidance criteria serves to guide prioritization of reclaimed water uses and to guide development of facility alternatives