



Water Conservation Five-year Strategic Plan Technical Consultant Year 1

Health, Environment & Human
Services Committee
February 28, 2005

Briefing Objectives

- Provide status on finalizing Five-year Strategic Plan
- Describe year 1 technical consultant selection process
- Highlight technical consultant's scope of work
- Seek committee support for contract award on March 9, 2005 council agenda

Five-year Strategic Plan Status

- Since January 10, 2005 Joint Committee briefing:
 - Draft plan on Water Conservation has been posted on website (www.savedallaswater.com) since January 14, 2005
 - Public invited to review and comment on plan via U.S. mail, fax or email through February 15, 2005
 - To date, four responses received from website
 - See appendix for written comments
 - Public meeting held on February 22, 2005 to receive final input
 - 7 citizen participants
 - Comments on plan very positive
 - Draft plan being reviewed by DWU staff for final changes and input

Five-year Strategic Plan Status (continued)

■ Next Steps

- ❑ Citizen input to be evaluated for feasibility and incorporated into plan as appropriate
- ❑ Briefing on plan to Joint Committee of Health, Environment & Human Services and Finance & Audit scheduled for April 11, 2005
- ❑ Item to be presented on April 13, 2005 agenda for Council Resolution

Technical Consultant Selection Process

- Request for proposals solicited through on-line system from January 24, 2005 through February 7, 2005
- 1 proposal received
 - Alan Plummer Associates, Inc.
 - Founded 1978
 - Specializes in civil/environmental engineering services to municipalities; local, state and regulatory agencies; and water districts.
 - DWU contractor for Reclaimed Water Implementation Plan
 - Developed Conservation Division's Five-year Strategic Plan
- City Attorney and City Auditor both supported validity of selection process based on one proposal received
- Contract award to Alan Plummer Associates, Inc. scheduled on March 9, 2005 council agenda

Technical Consultant Scope of Work

Major Tasks

- Assist DWU in submitting Water Conservation & Drought Contingency Plan compliant with Title 30 of the Texas Administrative Code
 - Consultant will provide water conservation measures to support the five-year targets as established in the Strategic Plan
 - Consultant will also provide a method to monitor the effectiveness of the water conservation plan
- Perform a survey of selected City-owned facilities to identify opportunities to upgrade indoor plumbing fixtures

Technical Consultant Scope of Work

Major Tasks (continued)

- Perform a records survey of DWU facilities (pump stations, water storage tanks, treatment plants, etc. and develop a 10-year plan for upgrading the irrigation systems and changing out landscapes if feasible
 - Consultant will conduct a detailed irrigation audit at up to three DWU facilities and a visual survey of the balance of DWU sites
 - Consultant will assess the feasibility of modifying the landscapes and irrigation systems and determine the probable water savings that would be achieved by implementing the changes
 - Consultant will secure the services of a licensed irrigator and landscaping firm experienced in water-wise landscaping to assist on this task.

Technical Consultant Scope of Work

Major Tasks (continued)

- Assist staff in planning, developing and implementing a toilet upgrade pilot program for low-income/elderly citizens to be launched in Fall 2005
 - Recommendations for program development and implementation will include:
 - Methods to qualify low-income/elderly participants including eligibility requirements
 - Assistance in identifying partnership agencies capable of helping to promote the program, pre-qualifying program participants and program administration
 - A prospective number of toilets to be upgraded and the potential for water savings

Technical Consultant Scope of Work

Major Tasks (continued)

- Low-income/elderly Toilet Upgrade Pilot Program (continued)
 - Recommendations for program development and implementation will include:
 - Developing a list of qualified plumbing contractors to install toilets
 - Consultant will work with City's Equipment & Building Services Department to develop list
 - Examples of partnership agencies will include:
 - Community Housing Development Organizations
 - Faith-based Organizations
 - Senior Citizen's Programs
 - Internal City Departments
 - Housing/Fair Housing
 - EHS

Technical Consultant Scope of Work

Major Tasks (continued)

- Assist staff in planning and developing a single and multi-family toilet rebate program to be launched in FY 2006
 - The following steps will be taken in FY 05 to prepare for program launch in FY 06
 - Qualification criteria for single and multi-family participants
 - Development of a prospective number of toilets targeted for upgrade and the potential water savings
 - Development of a list of qualified plumbing contractors

Technical Consultant Scope of Work

Major Tasks (continued)

- Work with DWU to develop reports regarding water usage utilizing available data
 - Develop accurate gallons per capita per day (GPCD) figures disaggregated by zip code based on total GPCD and residential only GPCD
 - Establish protocols to refine comparative analysis so that usage can be normalized. For example, “per bed” for hospitals, “per room” for hotels-motels, etc.
 - Develop reports to track the effectiveness of the water conservation program

Technical Consulting Team

Subcontractors

- Community Outreach/Public Relations
 - Egiebor Expressions
 - Sharon Egiebor, Owner
 - Certified M/WBE Firm
- Licensed Plumber
 - Concept Facility Services, LLC
 - Clifford Freeney, Principal
 - Certified M/WBE Firm
- Water Conservation Consultants
 - Amy Vickers & Associates, Inc.
 - Amy Vickers, Owner/
Nationally known author of the *Handbook of Water Use and Conservation*
 - Chris Brown Consulting
 - Chris Brown, Owner
- Landscape & Irrigation Consultants
 - Reese Consulting & Landscaping
 - Stacy and Bonnie Reese

Summary

- Public input solicited and received on draft Five-year Strategic Plan
 - Plan scheduled to be briefed to Joint Committee of HEHS and F & A on April 11, 2005
 - Plan on April 13, 2005 council agenda
- Alan Plummer Associates, Inc. selected as technical consultant for year 1 of Five-year Strategic Plan
- DWU seeking committee support to award contract to Alan Plummer Associates, Inc. for \$230,000 at the March 9, 2005 city council meeting

APPENDIX
