



Design, Permitting and Installation of Subdivision-Scale Rainwater Harvesting Systems as a Water Supply Strategy for the Texas Hill Country

Progress Report Submitted to TWDB

By Stacy Bray, RSI

November 2011

I. Work in Progress

1. On-going data collection – stakeholder database, precipitation data, parameter inputs/GIS layers for overland flow modeling: **Task 1**
2. Draft Report II, outline and initial draft completed; awaiting additional months of data necessary to complete modeling: **Task 2**
3. Developed questions and scenarios for regulatory analyses and delivered to TCEQ as well as a short technical paper; awaiting TCEQ responses and upon receipt will request available meeting times for project staff, contractors and TWDB staff to review/discuss/understand TCEQ responses. **Task 3**
4. Summary of Initial Model Outputs: **Task 1 (Data collection) and Task 2 (modeling)**
Rainwater Harvesting Models are currently being programmed and evaluated. Progress to date: The models cover a 25-year period, from 1987 to 2011.

MODELING LOCATION	DATA ENTRY (1987-2011) COMPLETED THROUGH
Austin	October 2011
Blanco	October 2011
Boerne	October 2011
Burnet	October 2011
Dripping Springs	October 2011
Wimberley	October 2011
Menard	October 2011
Fredericksburg	October 2011
San Marcos	October 2011

5. Issues regarding Task 1 (Data collection) and Task 2 (modeling)
An open issue is how to obtain the remainder of the 2011 data in a “timely” manner so that the full, updated evaluations can be completed as an input to the stakeholder review process, tentatively scheduled for mid to late January. The source used to complete the inputs to date lag about 2 months in posting monthly reports. * We have contacted NOAA and they will not release November or December data, which will delay final modeling results.
6. Weekly staff and contractor meetings to develop outlines and criteria for regulatory meeting/workshop: **Task 3**
7. Weekly staff and contractor meetings to coordinate “Kick off Workshop” **Task 4**



II. Work Completed

1. Report I: **Task 1**
2. Attended TCEQ – HB 3391 stakeholder meeting: **Task 3**
* TCEQ meeting for November is temporarily on hold due to TCEQ lack of staff to participate. During the “Drinking Water Protection Working Group” stakeholder meeting in response to HB 3391, TCEQ asked to conduct a separate meeting for questions regarding the TWDB project. Suggestion for TCEQ participation is an invitation to the workshop in February.

III. People Contacted for TCEQ Coordination

1. Cindy Haynie, TCEQ, Water Supply Division
2. Joel Klumpp, TCEQ, Water Supply Division (at DWA WG meeting)

IV. People contacted for “Project Support”

Anna Bowlin, Travis County Transportation and Natural Resources
Clint Garza, Hays County Development Services
Jonathan Letz, Kerr County Commissioner
Mark Stroehrer, Gillespie County Judge
Donna Klaeger, Burnet County Judge
Tom Hornseth, Comal County Engineers Office
Rick Tobolka, Kendall County Planning
Bill Guthrie, Blanco County Judge
Ron Fiesler, Pedernales-Blanco GCD
Michael Voulgaris, Cow Creek GCD
Gene Williams, Headwaters GCD
Paul Tybor, Hill Country UWCD

IV. People to be contacted

1. Developing invitation list (architects, developers, engineers, environmentalists, homebuilders, planners, real estate professionals, regulatory agents and rainwater harvesting industry participants) – contact by the end of December with invitations going out early January **Task 4**

V. Next Activities

1. Prepare report from the 10/25/11 DWA WG meeting.
2. As a courtesy, contact Central Texas legislative delegation and/or staff via phone to inform them of the grant-funded study and apprise them of study’s goals. Follow up with an email reiterating the conversation.
3. Working with TWDB regarding TCEQ participation in the grant project with regard to the regulatory questions and issues.
4. TCEQ – pending information to be provided by Robert Mace, TWDB