WRRC
WATER RESOURCES RESEARCH CENTER

THE UNIVERSITY OF ARIZONA

COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

Desert Water Harvesting Initiative

Small Town Water Forum
June 26, 2014

Desert Water Harvesting Initiative

WRRC 50th Anniversary 1964-2014
wrrc.arizona.edu

Desert Water Harvesting Initiative

- DWHI Goal: to enhance outreach and communication between utilities, practitioners of water harvesting, academics, and interested citizens.
- BOR Desert LCC Grant to develop Resources
- Products Include:
  - Experts Directory
  - Compiled Publications
  - Assessment Toolbox

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The Water Harvesting Assessment Toolbox

- Decision support tool to explore water harvesting techniques and select locally appropriate tools
- Toolbox provides a facilitation process
- Participating personnel should include…water providers, flood control agencies, planning departments, stormwater management departments, conservation departments, utilities, transportation departments, elected officials, developers, homeowner's associations, various water use sectors, environmental groups and/or others.
- Toolbox contains 5 tools

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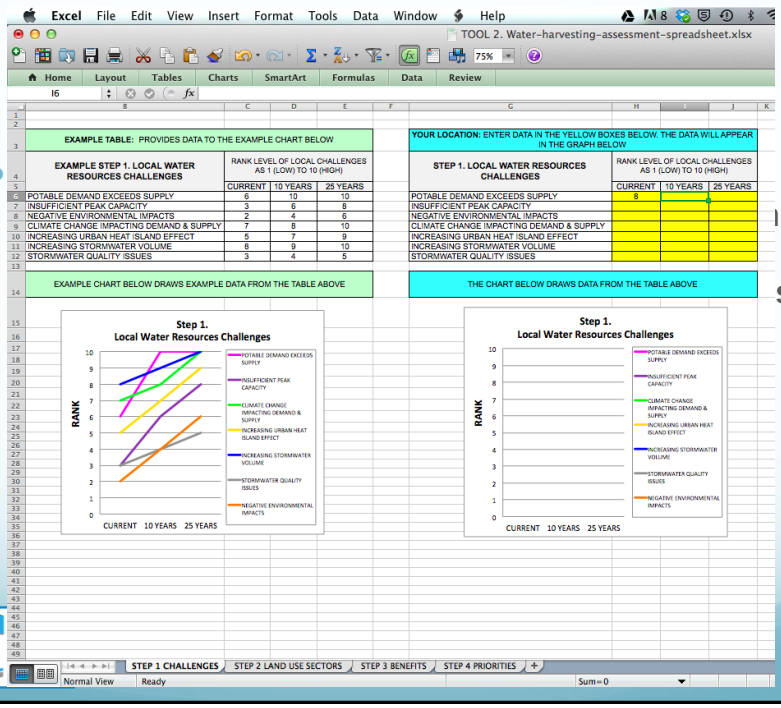

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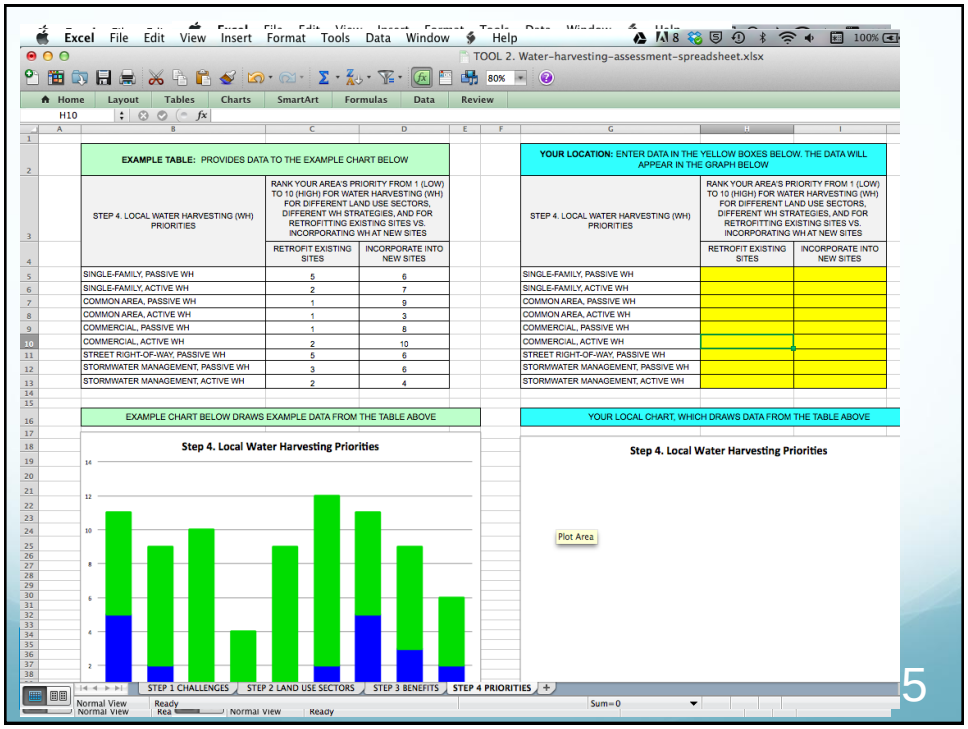

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Tool 3

- **TOOL 3: Catchment-to-Canopy-Area Ratio Spreadsheet:** This Excel spreadsheet assists users in determining the optimum ratio of water harvesting catchment area to plant-canopy area to meet plant water needs in their location for a portion of each year.

  Step 5. Estimate preferred catchment-to-canopy-area ratio

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Tool 4

- **TOOL 4: Water Harvesting Resource Website:** The Toolbox website contains links to numerous resources and in-depth information about the water harvesting topics introduced in the Presentation, as well as links to download all of the Tools in the Toolbox.

  Step 6. Learn and follow important design guidelines

  Step 7. Manage water harvesting using key implantation steps

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Tool 5

- **TOOL 5: Decision-Maker Presentation Template:** This customizable PowerPoint presentation allows users to insert their own site-specific water harvesting assessment results, graphs, photographs, and recommendations to provide a concise and effective PowerPoint presentation for decision-makers and the public.

  Step 8. Communicate water harvesting recs

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What you need to get started

- A facilitator who can gather materials, information, tools and people
- A meeting space with internet and projection capabilities
- 2 hours for a meeting that utilizes Toolbox tools

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https://wrrc.arizona.edu/DWHI/toolbox

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