Alternative Water Mapping Tool
Rainwater Harvesting Regulations

Website Link: http://energy.gov/eere/femp/alternative-water-sources-map
Rainwater Harvesting Regulations – State Level

Texas

Regulated through Water Development Board; Texas tax code section 151.355 provides sales tax exemption of rainwater harvesting equipment; Texas property code 202.007 prevents homeowners associations from banning rainwater harvesting installations; House Bill 3391 requires rainwater harvesting system technology to be incorporated into the design of new state buildings; check county for local incentives

Regulatory Programs:
- Water Development Board

Technical Resources:
- Texas Water Development Board rainwater harvesting resources (including Texas Manual on Rainwater Harvesting)
- Texas Rainwater Catchment Association
- Texas A&M Agrilife Extension
Future Map – Air Handling Condensate Capture Potential

DRAFT
Future Map – Reclaimed Wastewater
FEMP Water Project Screening Tool – Input Example

Website Link


FEMP Water Project Screening Tool

Site Level Data

1. What is the total facility square footage?

2. Are the majority of your buildings older than 1994? (Y/N)

3. What is the estimated percent of each building type by floor area? 100% remaining

   - Office
   - Hospital/healthcare
   - Barracks
   - Prison
   - Laboratory
   - Dining/commercial kitchen
   - Gym/pool
   - Other

4. Does the site operate and maintain the water distribution system? (Y/N)

Next
## FEMP Water Project Screening Tool – Output Example

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>PROJECT POTENTIAL SCORE</th>
<th>WHAT YOUR SCORE MEANS</th>
<th>TECHNOLOGY OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLUMBING</td>
<td>💧💧💧💧💧</td>
<td>Many of the buildings likely have old plumbing fixtures; upgrading to high efficiency fixtures will save water.</td>
<td>Install high efficiency toilets, urinals, faucets, and showerheads. Ensure the contractor has specific expertise in water-efficient plumbing systems.</td>
</tr>
</tbody>
</table>
|_resources       | FEMP BMP #6 - Toilets and Urinals  
FEMP BMP #7 - Faucets and Showers  
EPA WaterSense |                                                                                      |                                                                                      |
| COOLING TOWERS  | 💧💧💧💧💧              | Cooling towers are a significant water user that offers large potential water savings. | Maximize cycles of concentration. Consider installing real-time controllers to control blowdown and chemical feed. Contract with a company that has specific expertise in this area. |
|_resources       | FEMP BMP #10 - Cooling Tower Management  
EPA WaterSense |                                                                                      |                                                                                      |
| ALTERNATIVE WATER PROJECT POTENTIAL | 💡💧💧💧💧 | The site does not currently use alternative water for cooling tower makeup.  
Alternative water can significantly offset the use of freshwater.      | Consider switching to alternative water sources for cooling tower makeup, such as harvested rainwater, captured condensate, or reclaimed wastewater. |
Planning and Practice

1. Water Management Basics

2. Managing Water Assessments


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