

## **Water Conservation Website Suggestions and Materials for Consideration:**

Calculation for drip irrigation to tell you how long your water will last.

Use google earth to calculate roof size

On demand pump needed for trigger spray

**Do you know where your water comes from?**

How to apply for future credits with the City, State incentives and other tax credits, exemption programs, even United States Geological Survey flow gauges (Jacob's Well and Blanco River) to monitor how aquifer and surface water is doing and other helpful resources like this helpful page from the Texas Water Newsroom

Provide links for the following:

- The State directives to cities to incentivize rainwater collection
- There is a sales tax credit available on the purchase of barrels
- Hays County has provided a new property tax exemption program
- Chapter 761 – Hays County & Chapter 721
- [USGS real-time Jacob's Well gauge](#)
- [USGS real-time Blanco River at Wimberley gauge](#)
- [Texas MesoNet](#) (rain gauges across Tx)

Recommendations on system sizes for the City of Woodcreek

**“Every gallon you use or save through rainwater collection is a gallon you keep in Jacob's Well “ 1 to 1 ratio / “Every gallon you use or save is a gallon you keep in the Wimberley area spring shed which includes Jacob's Well “**

**Show impact of single households with graphic**

**Aqua Information:** Drought and Excessive Use

- Aqua Texas customers in the City of Woodcreek and Woodcreek North are limited to 8,500 gallons of water per month. Aqua calls this an excessive use limit, meaning anything over this amount is considered an excessive use of water.
- The 8,500 limit was derived from an analysis of average household use and adjusted to accommodate larger families.
- The excessive use limit was implemented on September 11, 2023 and remains in place today until further notice.

- Aqua Texas implemented the excessive use limit out of necessity, to comply with pumping permit limitations set by the groundwater conservation district.
  - Not enough customers were complying with the Stage 4 drought restrictions, making the excessive use limit necessary to implement.
  - If customers disregard the excessive use limit it could be necessary to limit water use even further.
- If customers are using over the excessive use limit, they will first receive a letter, followed by additional correspondence for second offense if improvements were seen. After two warnings, or for an egregious use of water, a flow restrictor will be installed on the customer's line. The flow restrictor only restricts the flow of water to the outside of the home. Like irrigation systems, for example. It will not impact the flow of water inside the home.
- Variances are available and are subject to approval. An in-depth analysis and proof of necessity are required to approve a variance.
  - Variances are meant for exceptional situations only. We must limit the number of variances to comply with the groundwater conservation district.
- Some customers have observed the irrigation system running at the old golf course, owned by Aqua Texas. That irrigation system is strictly effluent discharge from the wastewater plant, not groundwater.

**Rainwater collection systems are tax exempt.**

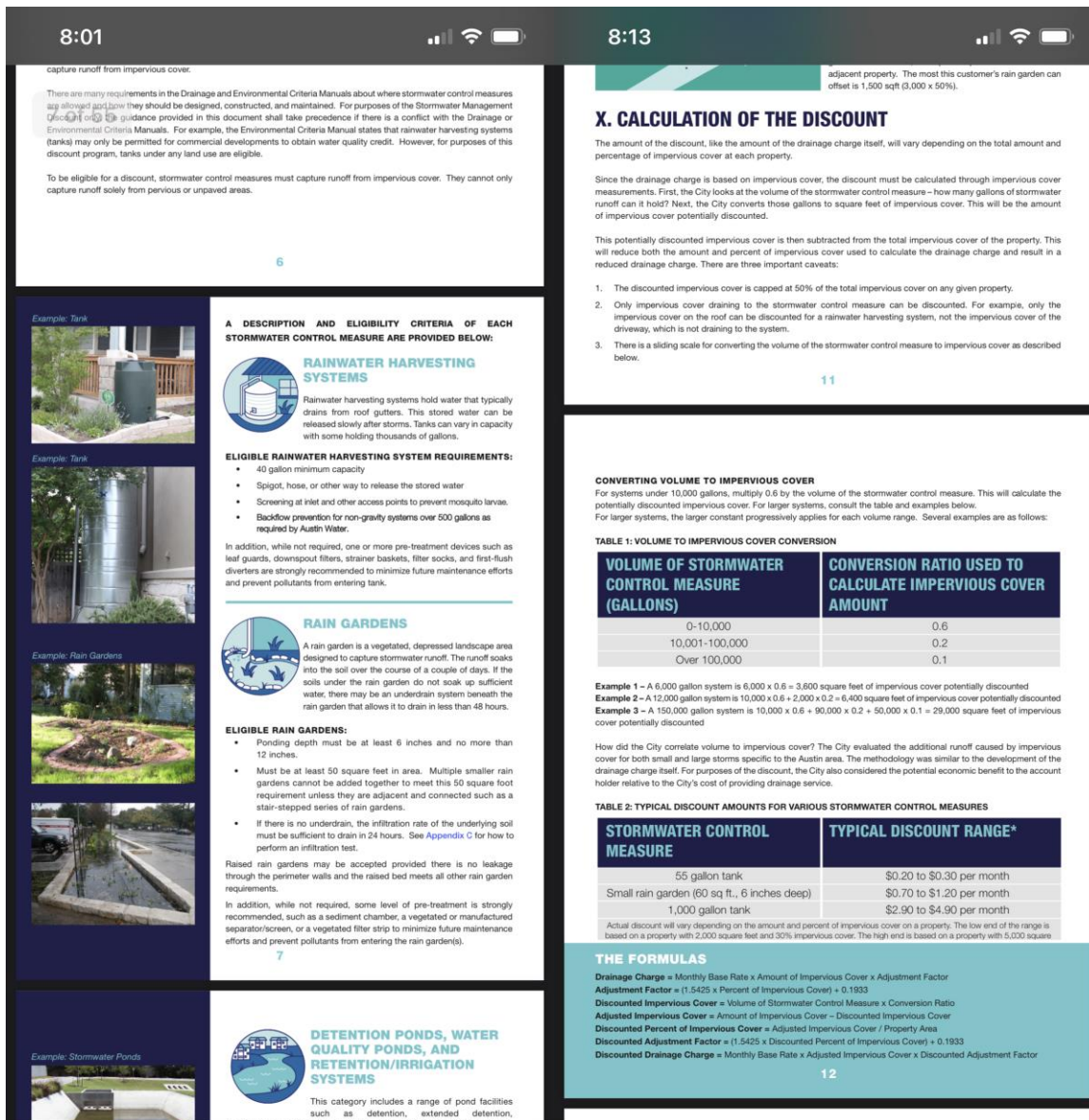
**Rainwater uses**

**COA water quality credits?**

**Hays County Property tax exemption**

**COA rebate for over 5000 gallons**

**Hill Country Alliance as a resource**



<https://woodcreektx-my.sharepoint.com/shared?listurl=https%3A%2F%2Fwoodcreektx%2Esharepoint%2Ecom%2Fsites%2Fwatertaskforce%2FShared%20Documents&viewid=3d65c241%2D38b3%2D4e13%2Dbcf8%2D709a6d5ba052&id=%2Fsites%2Fwatertaskforce%2FShare%20Documents%2FReference%20Materials%2FRainwater%20Collection%2FRainwaterHarvestingManual%5F3rdedition%2Epdf&parent=%2Fsites%2Fwatertaskforce%2FShared%20Documents%2FReference%20Materials%2FRainwater%20Collection>

H.B. NO 3391 (a portion of the code relating to municipalities)

SECTION 4. Chapter 580, Local Government Code, is amended	
	by adding Section 580.004 to read as follows:
	<u>Sec. 580.004. RAINWATER HARVESTING. (a) Each municipality and county is encouraged to promote rainwater harvesting at</u>
	<u>residential, commercial, and industrial facilities through</u>
	<u>incentives such as the provision at a discount of rain barrels or</u>
	<u>rebates for water storage facilities.</u>
	<u>(b) The Texas Water Development Board shall ensure that</u>
	<u>training on rainwater harvesting is available for the members of</u>
	<u>the permitting staffs of municipalities and counties at least</u>
	<u>quarterly. Each member of the permitting staff of each county and</u>
	<u>municipality located wholly or partly in an area designated by the</u>
	<u>Texas Commission on Environmental Quality as a priority groundwater</u>
	<u>management area under Section 35.008, Water Code, whose work</u>
	<u>relates directly to permits involving rainwater harvesting and each</u>
	<u>member of the permitting staff of each county and municipality with</u>
	<u>a population of more than 100,000 whose work relates directly to</u>
	<u>permits involving rainwater harvesting must receive appropriate</u>
	<u>training regarding rainwater harvesting standards and their</u>
	<u>relation to permitting at least once every five years. Members of</u>
	<u>the permitting staffs of counties and municipalities not located</u>
	<u>wholly or partly in an area designated by the Texas Commission on</u>
	<u>Environmental Quality as a priority groundwater management area</u>
	<u>under Section 35.008, Water Code, whose work relates directly to</u>
	<u>permits involving rainwater harvesting and members of the</u>

	<u>permitting staffs of counties and municipalities with a population</u>
	<u>of 100,000 or less whose work relates directly to permits involving</u>
	<u>rainwater harvesting are encouraged to receive the training. The</u>
	<u>Texas Water Development Board may provide appropriate training by</u>
	<u>seminars or by videotape or functionally similar and widely</u>
	<u>available media without cost.</u>
	<u>(c) A municipality or county may not deny a building permit</u>
	<u>solely because the facility will implement rainwater harvesting.</u>
	<u>However, a municipality or county may require that a rainwater</u>
	<u>harvesting system comply with the minimum state standards</u>
	<u>established for such a system.</u>

SOURCE: <https://capitol.texas.gov/tlodocs/82R/billtext/html/HB03391F.htm>

### Cost of Tanks (Texas Metal Tanks)

Gallons	Dimensions	Galvanized	Stainless
90	30" X 2'9"	\$675	\$1,075
140	2'6" X 4'2"	\$1,000	\$1,600
200	3' X 4'2"	\$1,100	\$1,700
300	3' X 5'8"	\$1,400	\$2,250
400	3'6" X 5'8"	\$1,650	\$2,600
500	4' X 5'8"	\$1,900	\$3,150



### Groundwater Conservation District credit backs available

City finds that population growth is increasing water consumption which negatively affects groundwater recharge

Reduced groundwater impacts water quality affecting not only our drinking water, but also our recreational activities on the rivers.

Protecting the creek and watershed lessens the impacts of droughts and floods.

LCRA manual 217 -245

POREOUS PAVEMENT

## EDUCATION ABOUT HOW WE PAY TO TREAT WATER TO SPREAD ON LAWN

Green infrastructure and information on rain gardens

[https://www.watercache.com/rebates?fbclid=IwAR2JQ-VXMTOC\\_Tqvika2VbbO60ZtGCZADK9Kwv3K1myLFN4gzK-ZRCVtjL0](https://www.watercache.com/rebates?fbclid=IwAR2JQ-VXMTOC_Tqvika2VbbO60ZtGCZADK9Kwv3K1myLFN4gzK-ZRCVtjL0)

<https://www.watercache.com/rebates/hays-county>

<https://mccmeetingspublic.blob.core.usgovcloudapi.net/woodcreek-meet-451ca77b81d64a089914007c8bccf66b/ITEM-Attachment-001-cc704e32906f4905b8a9c24aec9850bc.pdf>

[https://detroitmi.gov/Portals/0/docs/DWSD/A%20Guide%20for%20Credits%20for%20Commonly%20Used%20Storm%20Water%20MgmtPractices\\_WEB-READY.pdf?ver=2018-02-24-232309-210](https://detroitmi.gov/Portals/0/docs/DWSD/A%20Guide%20for%20Credits%20for%20Commonly%20Used%20Storm%20Water%20MgmtPractices_WEB-READY.pdf?ver=2018-02-24-232309-210)

[https://www.lcra.org/download/watershed\\_technicalmanual-pdf/?wpdmdl=19934](https://www.lcra.org/download/watershed_technicalmanual-pdf/?wpdmdl=19934)