LCRA Water Use Summary 2022

In 2022, the lower Colorado River basin saw continued drought conditions, with generally hotter- and drier-than-average weather thanks to a persistent and long-running La Niña weather pattern. The year was the seventh driest on record across the Hill Country, and the 13th driest for all of Texas. Summer 2022 was the second hottest on record, behind 2011.

Brief stretches of heavy rain in late August and November helped bring some drought improvement to parts of the area, but parched soils in the Hill Country soaked up most of the rainfall, resulting in limited runoff into the Highland Lakes. Monthly inflows were below historical averages each month throughout the year, and 2022 inflows into lakes Buchanan and Travis were the lowest on record.

In summer 2022, LCRA's state-approved Water Management Plan required it to cut off Highland Lakes water to agricultural customers in the Gulf Coast, Lakeside and Pierce Ranch operations for the second growing season. The determination was based on the intensity and duration of the drought and the amount of water in lakes Buchanan and Travis on July 1.

Total water use from the Highland Lakes and lower Colorado River increased from 2021 to 2022. Water use from the Highland Lakes increased by 103%, with increases for all types of use. Diversions of water originating from the lower Colorado River decreased by 45% from 2021 to 2022.

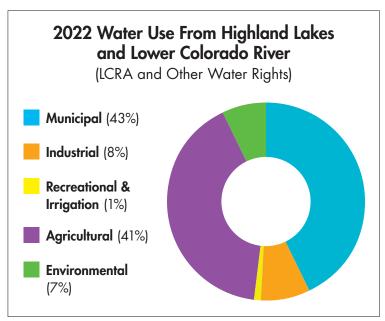


WATER USE BY SOURCE - LCRA uses two basic sources of water to meet customer and environmental needs: water stored in lakes Buchanan and Travis and water naturally flowing in the Colorado River. When the natural flow into the Highland Lakes is greater than customer needs and environmental obligations, LCRA stores the excess in lakes Buchanan and Travis for later use.

- 1. Highland Lakes water use Contracts for water stored in lakes Buchanan and Travis can be for firm or interruptible supply. LCRA also supplies water from the Highland Lakes to help maintain environmental flows, as required by the state-approved Water Management Plan. In 2022, the Highland Lakes supplied 429,314 acre-feet of water for all uses.
 - Firm water contracts These contracts supply cities, businesses and industries that need a reliable long-term water supply. Firm supply is available through a repeat of the driest conditions the region has experienced. Firm customers used 228,591 acre-feet, or about 53% of all water used from the Highland Lakes, in 2022. This includes 108 acre-feet used in hydroelectric generation to meet emergency needs for electricity.
 - Interruptible water contracts These contracts supply agricultural customers. Interruptible water is subject to cutbacks during drought conditions, and its availability was curtailed for the second season in 2022 because of the drought. Interruptible customers used 160,213 acre-feet, or about 37% of all water used from the Highland Lakes, in 2022.
 - Environmental From time to time, LCRA releases water from the Highland Lakes to meet environmental flow requirements for the Colorado River downstream of Austin and for Matagorda Bay. In 2022, LCRA released 40,510 acre-feet, or about 10% of water released from the Highland Lakes, for environmental flows.
- 2. Colorado River water use In addition to the rights to water from the Highland Lakes, LCRA owns and manages other rights to the natural flow of the Colorado River. In 2022, a total of 124,457 acre-feet of water was supplied from the Colorado River for agricultural, municipal, industrial, recreation and firm irrigation uses under these water rights.

Water Rights	2022 Use (in acre-feet)
LCRA Garwood*	89,687
LCRA and South Texas Project*	9,955
LCRA Lakeside*	824
LCRA Gulf Coast*	22,853
LCRA Pierce Ranch*	1,138
LCRA Lakes Buchanan and Travis	429,314
SUBTOTAL — LCRA	553,771
City of Austin Water Rights*	70,799
Bastrop Energy Partners, LP*	180
SUBTOTAL — Other	70,979
TOTAL	624,750

*Water use from the Colorado River was 195,436 acre-feet.



HOW DOES 2022 COMPARE?

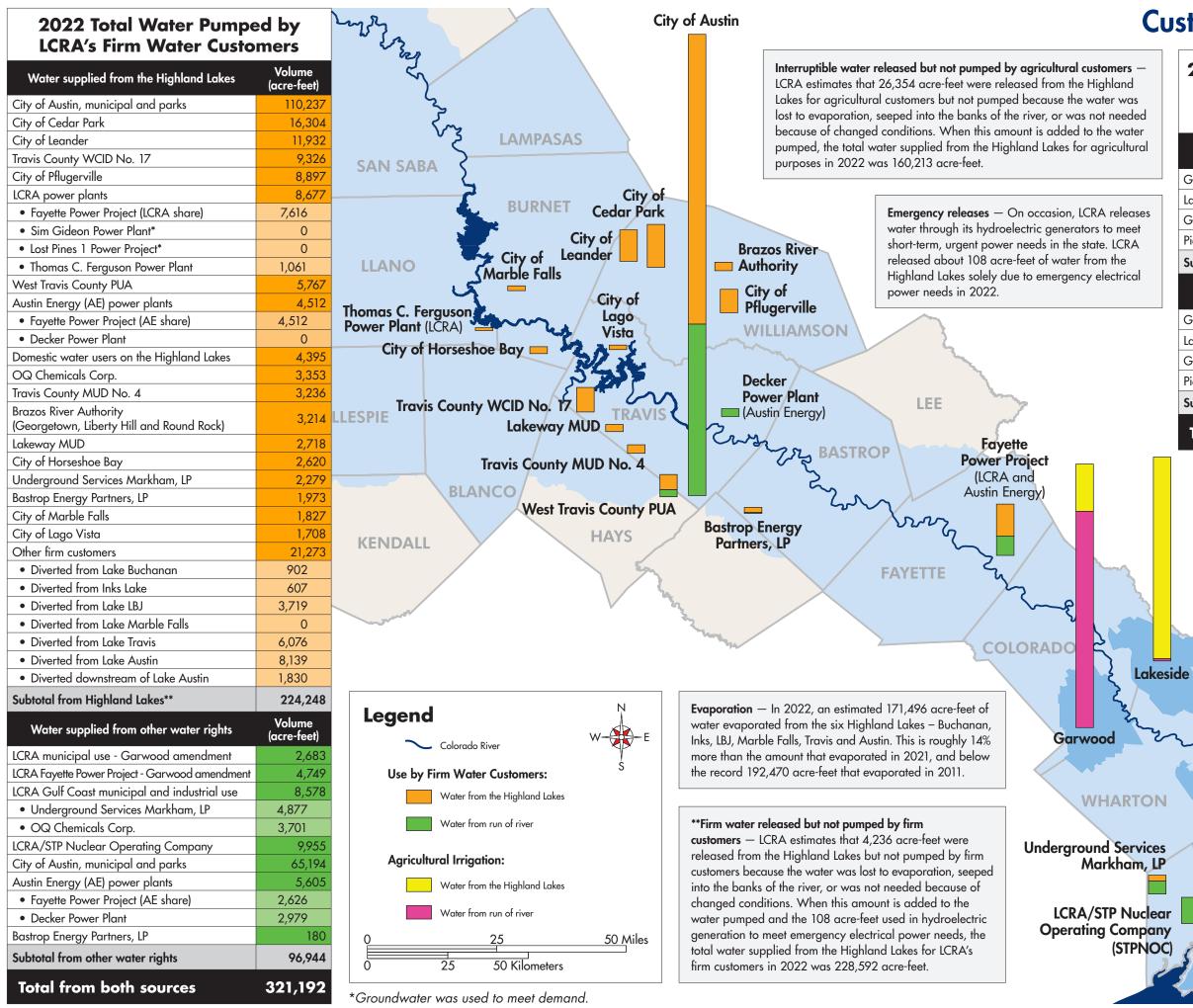
TYPE OF WATER USE*	2018	2019	2020	2021	2022
Municipal (firm customers)	225,861	234,648	251,970	249,011	266,848
Water from the Highland Lakes	133,517	112,701	144,531	118,821	198,971
Water from the Colorado River [†]	92,344	121,947	107,439	130,190	67,877
Industrial (firm customers)	80,580	57,030	50,343	113,594	51,790
Water from the Highland Lakes	24,433	9,157	18,593	12,390	22,722
Water from the Colorado River [†]	56,147	47,873	31,750	101,204	29,068
Recreational & Irrigation (firm customers)	6,760	7,013	7,568	4,204	6,898
Water from the Highland Lakes	6,667	6,766	7,413	4,204	6,898
Water from the Colorado River	93	247	155	0	0
Agricultural (interruptible customers)	289,665	219,467	247,573	171,900	258,704
Water from the Highland Lakes	136,490	27,319	84,472	45,109	160,213
Water from the Colorado River	153,175	192,148	163,101	126,791	98,491
Environmental [‡]	55,923	61,954	115,586	31,317	40,510
(from the Highland Lakes)					
TOTAL WATER USE	658,789	580,112	673,040	570,026	624,750

* Water use is in acre-feet.

[†] Reported use includes water under water rights held by the City of Austin and Bastrop Energy Partners, LP and jointly by South Texas Project and LCRA.

[†] Environmental releases are made to meet environmental requirements set out in the LCRA Water Management Plan. Releases for downstream customers and runoff flowing into the river and bay also help satisfy environmental needs.

Learn more about the lower Colorado River at www.lcra.org.



Customer Water Use in 2022

2022 Total Water Pumped for LCRA's Interruptible Water Customers (Agriculture)

Water supplied from the Highland Lakes	Volume (acre-feet)	
Garwood Irrigation Division	17,989	
Lakeside Irrigation Division	76,679	
Gulf Coast Irrigation Division	25,841	
Pierce Ranch Irrigation Company	13,350	
Subtotal from Highland Lakes	133,859	
Water supplied from downstream water rights	Volume (acre-feet)	
Garwood Irrigation Division	82,254	
Lakeside Irrigation Division	824	
Gulf Coast Irrigation Division	14,275	
Pierce Ranch Irrigation Company	1,138	
Subtotal from downstream water rights	98,491	
Total from both sources	232 350	

Environmental flows — In 2022, LCRA released 40,510 acre-feet of water from the Highland Lakes for environmental obligations. Of this amount, LCRA released 5,138 acre-feet of Highland Lakes inflows to help meet freshwater inflow needs, and 35,372 acre-feet to help meet instream flow criteria. About 473,422 acre-feet of fresh water flowed in the Colorado River past Bay City toward Matagorda Bay in 2022. This water came from rainfall and runoff occurring below Lake Travis and pass-through releases of a portion of the inflows to the Highland Lakes.

The City of Corpus Christi holds a senior water right in the lower Colorado River basin but is not an LCRA water customer. Corpus Christi began diverting water from the river in 2016. In 2022, Corpus Christi diverted 11,124 acre-feet.

Gulf of Mexico

Gulf Coast

MATAGORDA

Pierce

Ranch

OQ Chemical Corp.