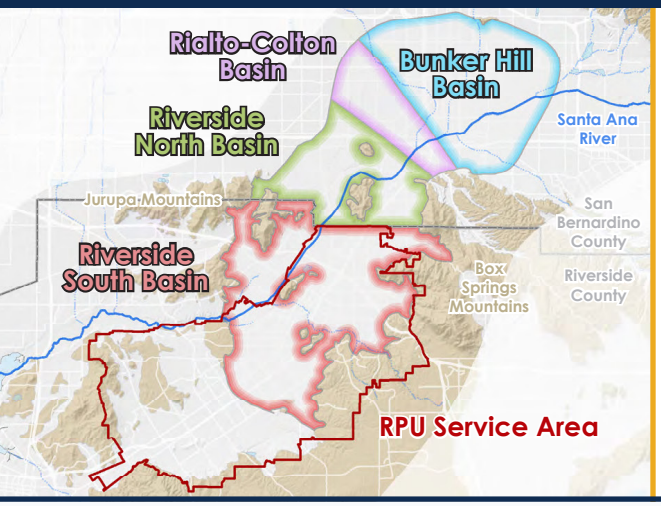
WATER | ENERGY | LIFE

CITY OF RIVERSIDE PUBLIC UTILITIES

RIVERSIDE PUBLIC UTILITIES
WATER SUPPLY FACT SHEET

UPDATED DECEMBER 9, 2021



Riverside Public Utilities is prepared to meet the City's current water supply needs. However, proactively **Investing In Our Future** is key to ensure adequate and sustainable water supply is available for the City's growth and future generations.

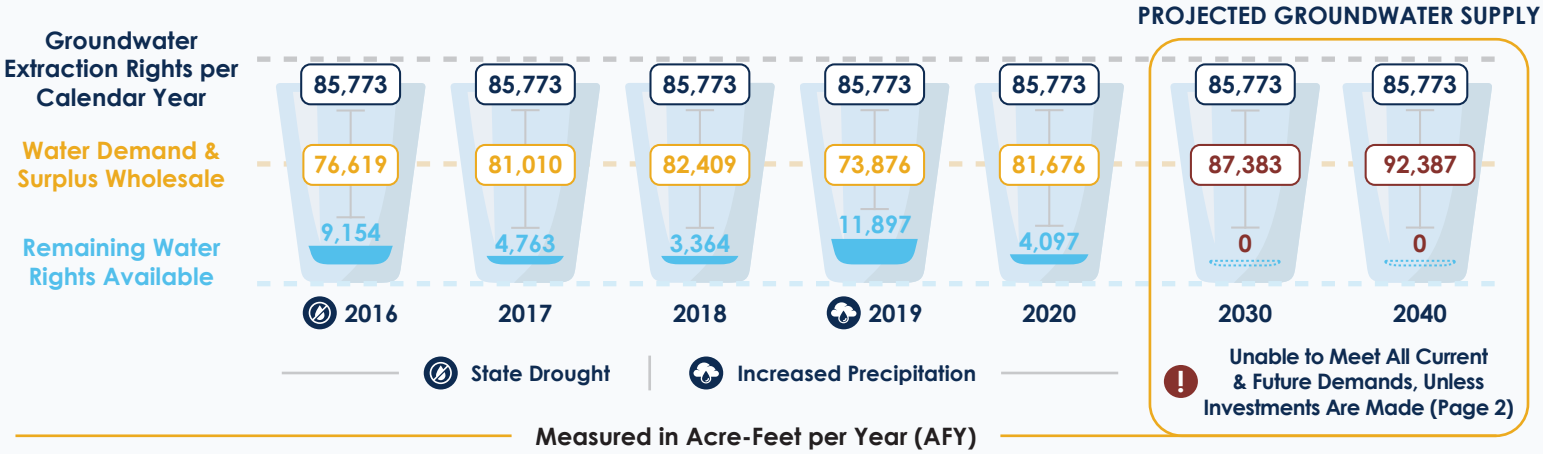
Riverside's Groundwater Resources & Supply

100% of the City's potable (drinking) water has been supplied from local groundwater sources since 2009

Serves Population of **306,140**

69K Service Connections

A 1969 Legal Judgment sets surface water and groundwater rights for the region, including the City of Riverside's annual "use it or lose it" groundwater extraction rights.



Measured in Acre-Feet per Year (AFY)
One Acre-Foot of Water Equals 326,000 Gallons

Sustainability Challenges to Riverside Requiring Vital Solutions

Water Rights
1969 Legal Judgment is **vulnerable to future modification(s),** dependent on drought conditions and water levels, that could pose a risk to extraction rights.

Climate Change
Shorter snowpack winters and longer drier summers.

2045 Potable & Recycled Water Demand
Projected to be **26% higher** than current water rights.

Groundwater Conditions
Natural basin recharge from rainfall is **22% below** historical annual average resulting in historical lows of water levels.

City of Riverside Growth
Increase in **population** and associated water needs is **projected to be greater** than Riverside's available water supply sources **within 10 years.**

Water Quality Regulation Challenges
Constantly changing regulations and emerging unregulated chemicals require the **need for water supply** redundancy and the likelihood of **additional treatment facilities.**

Solutions for Riverside's Sustainable Water Future

Riverside must invest locally in basin management and water supply projects in order to:

- Protect Existing **Water Rights & Expand Water Resources**
- Maximize **Recycled Water Use**
- Maximize Regional **Storm Water Recharge**
- Maximize **Local Storm Water Recharge**
- Meet **City's Strategic Priorities**
- Develop Strategies **for Groundwater Banking**
- Conserve, **protect** and **restore habitats.**

The City of Riverside is committed to investing rate payer & other dollars to provide reliable services to customers for generations to come with the ability to meet and supply the water demand under perpetual water rights.

1 Now – 2030

Over the next 9 years, these projects will secure approximately 13,500 AFY of new water rights for Riverside

2 2030 – 2040

3 2040 – Beyond

Water Security Investments	Estimated Costs	Estimated Additional City Water Rights
A Parks and Tributaries Water Reuse	$55M	11,000 AFY
B Enhanced Recharge Projects, Phases 1B and 1C	$15.2M*	1,000 AFY
C Active Recharge Projects Phase I	$16.1M	1,500 AFY
D Water Loss Reduction Program	$2.65M	–
E Regional Advanced Treatment Facility	$25M	–
Active Recharge Projects Phase II	$18M	1,500 AFY
Riverside North ASR	$18M	2,000 AFY

***$9M included in FY 21/22 Budget**
Measured in Acre-Feet per Year (AFY)

How Projects Will Be Funded

- **Combination of funding sources:**
  1. Grants / Low Interest Loans
  2. Bonds
  3. Rates
  4. Revenue from land sales or long-term lease(s)

Benefits

- Diversifies **Riverside's water supply portfolio** options while securing additional perpetual water rights.
- Ensures **water supply reliability** for current and future demand.
- **Cost effective** and **environmentally friendly** compared to importing water.
- Creates **partnerships with neighboring agencies** and increases wholesale opportunities to the region.

Next Steps

- **Planning & design** phases
- RPU Board & City Council **concurrence process**
- Construction of Riverside's **sustainable water future**
- Riverside's additional water supply resources **operational**