

MINUTES OF THE REGULAR MEETING OF THE  
PUBLIC AFFAIRS COMMITTEE OF THE  
BOARD OF DIRECTORS OF THE  
VISTA IRRIGATION DISTRICT

April 11, 2023

A meeting of the Public Affairs Committee of Vista Irrigation District was held on Tuesday, April 11, 2023, at the offices of the District, 1391 Engineer Street, Vista, California.

**1. CALL TO ORDER**

Chair Sanchez called the meeting to order at 2:00 p.m.

**2. ROLL CALL**

Committee members present: Sanchez and Kuchinsky.

Staff present: Brett Hodgkiss, General Manager; Shallako Goodrick, Director of Administration; and Brent Reyes, Water Conservation Specialist.

**3. APPROVAL OF AGENDA**

The agenda was approved as presented.

**4. PUBLIC COMMENT TIME**

No public comments were presented on items not appearing on the agenda.

**5. SCHOLARSHIP CONTEST**

See staff report attached hereto.

After discussion and careful consideration of the 12 eligible scholarship applications submitted to the District, the Committee recommended that scholarships be awarded as follows: \$2,500 scholarships to Naia Riggerbach from Pacific Ridge High School and Riley Robbins from Rancho Buena Vista High School; \$1,500 scholarships to Samantha Harris from Vista High School and Monica Lozada from San Marcos High School; and \$1,000 scholarships to Colin Gastauer and Sarai Rojas both from Vista High School.

**6. 2022 ANNUAL REPORT**

See staff report attached hereto.

The Committee reviewed and discussed information contained in the draft 2022 Annual Report. The Committee suggested changes to be incorporated into the draft report and directed staff to prepare a Committee report on this topic for presentation to the Board at a future meeting.

**7. COMMENTS BY COMMITTEE MEMBERS**

None were presented.

**8. COMMENTS BY GENERAL MANAGER**

None were presented.

**9. ADJOURNMENT**

There being no further business to come before the Committee, at 3:25 p.m. Chair Sanchez adjourned the meeting.

  
Patrick H. Sanchez, Chair

ATTEST:



\_\_\_\_\_  
Lisa R. Soto, Secretary  
Board of Directors  
VISTA IRRIGATION DISTRICT



**PUBLIC AFFAIRS COMMITTEE  
STAFF REPORT**

**Meeting Date: April 11, 2023**  
**Prepared By: Shallako Goodrick**  
**Approved By: Brett Hodgkiss**

SUBJECT: SCHOLARSHIP CONTEST

RECOMMENDATION: Review application materials and select the winner(s) of Vista Irrigation District's 2023 scholarship contest.

PRIOR BOARD ACTION: On May 11, 2022, the Board awarded a \$2,500 scholarship to Emilie Taylor from Rancho Buena Vista High School; a \$2,000 scholarship to Samantha Bailey from Rancho Buena Vista High School; a \$1,500 scholarship to Abigayle Paliotti from Rancho Buena Vista High School; and \$1,000 scholarships to Mateo Sulejmani, Jennifer Galan and Kenneth Morales Reyes all from Rancho Buena Vista High School and Grace Koumaras from Mission Vista High School.

FISCAL IMPACT: \$10,000 for the scholarship program is included in the budget.

SUMMARY: Each year, the District invites high school seniors who live or go to school within its service area to compete for a scholarship. The purpose of the scholarship program is to increase student knowledge and awareness of water related issues affecting the District and its customers. Students who compete for a scholarship must complete an essay and provide a one page personal statement related to their background and/or goals; selection criteria also include community involvement or volunteer service, and letters of recommendation.

DETAILED REPORT: In December 2022, application packets, which included a brochure for the scholarship contest, were provided to counselors of high schools located within the District's jurisdictional boundaries. Follow-up calls and e-mails were made to the counselors to ensure receipt of application materials and inquire as to students' interest in the program; additional scholarship promotional efforts included issuing a news release and promoting the contest on the District's website and San Diego County Water Authority's Water News Network webpage and in the City of Vista's newsletter. Application materials were made available on the District's website. The District received 12 applications from eligible high school seniors by the February 24, 2023 deadline.

Public Affairs Committee (Committee) members Sanchez and Kuchinsky are the judges for the contest. Applicants will be rated based on the quality and originality of their essay as well as a personal statement, letters of recommendation and school and community involvement. The Committee's recommendation for the winner(s) will be submitted to the Board for their consideration at the April 19, 2023 Board meeting. The winner(s) will be acknowledged at the May 3, 2023 Board meeting. Once the student has enrolled at a college or vocational school and provides staff with the required information (proof of enrollment and school contact), District staff will forward a check in the amount of the scholarship award to the school on behalf of the student.

ATTACHMENTS:

- Scholarship Application Instructions/Requirements
- Rating Sheet
- Scholarship Applications



## SCHOLARSHIP APPLICATION PACKAGE

Vista Irrigation District (VID) invites local high school seniors to compete for scholarship(s) to college, university or vocational(trade) schools from VID. Up to six scholarships may be awarded; the minimum scholarship award amount is \$1,000 and the maximum scholarship award amount is \$3,000. Winners will be selected based on the quality and originality of an essay prepared by the applicant as well as school and community involvement. Applications will not be accepted if all criteria are not met, including correct formatting. **Applicants must submit each of the following documents by 5:00 PM on Friday February 24, 2023:**

1. Completed application form.
2. School/Community involvement:
  - a. One letter of recommendation from a high school faculty member.
  - b. One letter of character reference from a personal or professional associate.
3. A personal statement (**two pages or less, Arial font, 12 point type, with 1 inch margins top, bottom, left and right, and line spacing set to 1½**). Suggested topics include the student's reasons for applying for the scholarship or seeking a higher education, the student's educational/career goals, personal background or interests.
4. An essay (**two pages, Arial font, 12 point type, with 1 inch margins top, bottom, left and right, and line spacing set to 1½**) addressing the following topic:

*Imagine a day without water. Choose any future profession that you are interested in, such as firefighter, nurse, chef, caregiver, lawyer, construction worker, etc., and write about what a day without water would be like working in that profession.*

The essay will be judged on originality, creativity, grammar/spelling and your response to the essay topic above.

Students may obtain an application package from their Scholarship Counselor or from VID by contacting Brent Reyes at (760) 597-3107. The application package and related materials are also available on the district's website ([www.vidwater.org](http://www.vidwater.org)).

A completed application package must be submitted via e-mail at [breyes@vidwater.org](mailto:breyes@vidwater.org) or at Vista Irrigation District, 1391 Engineer Street, Vista, CA 92081-8840, **by 5:00 PM on Friday February 24, 2023.**

VID will review qualified applications and select winner(s) who will receive scholarships. Once enrolled at a college, university or vocational school, VID will send a check directly to the school on scholarship recipient's behalf.



**2023 SCHOLARSHIP APPLICATION**

(Competition is open to all high school seniors who live or attend school in VID's service area)

**Name:** \_\_\_\_\_

**Telephone number and best time to call:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**High School:** \_\_\_\_\_

**How did you learn about the VID Scholarship?** \_\_\_\_\_

**Post high school education plans (college, vocational school, etc.)**

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**Service and/or other extracurricular activities performed through school or volunteer organizations, community groups, church or clubs, etc. (Include contact name/telephone for verification where possible)**

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**Honors or special recognitions received (school or other)**

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**If employed, job title and total hours per week:** \_\_\_\_\_

**Job Responsibilities:** \_\_\_\_\_

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## 2023 VID SCHOLARSHIP SELECTION

Applicant Name	Essay 40%	Personal Statement 35%	Community Involvement 15%	Letters of Recommendation 10%	Comments
Michelle Aguilar					
Canyon Benner					
Colin Gastauer					
Tyler Guan					
Samantha Harris					
Monica Lozada					
Owen Pineda					
Naia Riggerbach					
Riley Robbins					
Sarai Rojas					
Riley Severns					
Ryan Tinkle					

Please rate the scholarship applicants on the basis of these four (4) areas: Essay (knowledge of issue), Personal Statement, Community Involvement, and Letters of Recommendation. Please give a rating from 1-5 (5 being high) in each of the four areas. Feel free to add any additional comments that you might have on the applicants.

PLEASE BRING THIS COMPLETED SHEET WITH YOU TO THE PUBLIC AFFAIRS COMMITTEE MEETING.

Scholarship applications were provided to the Public Affairs Committee under separate cover.



**PUBLIC AFFAIRS COMMITTEE  
STAFF REPORT**

**Meeting Date: April 11, 2023**  
**Prepared By: Shallako Goodrick**  
**Approved By: Brett Hodgkiss**

SUBJECT: 2022 ANNUAL REPORT

RECOMMENDATION: Discuss draft 2022 Annual Report.

PRIOR BOARD ACTION: None.

FISCAL IMPACT: District staff performs the design and layout of the annual report; no outside printing costs are anticipated, as the annual report is available electronically and printed in-house upon request.

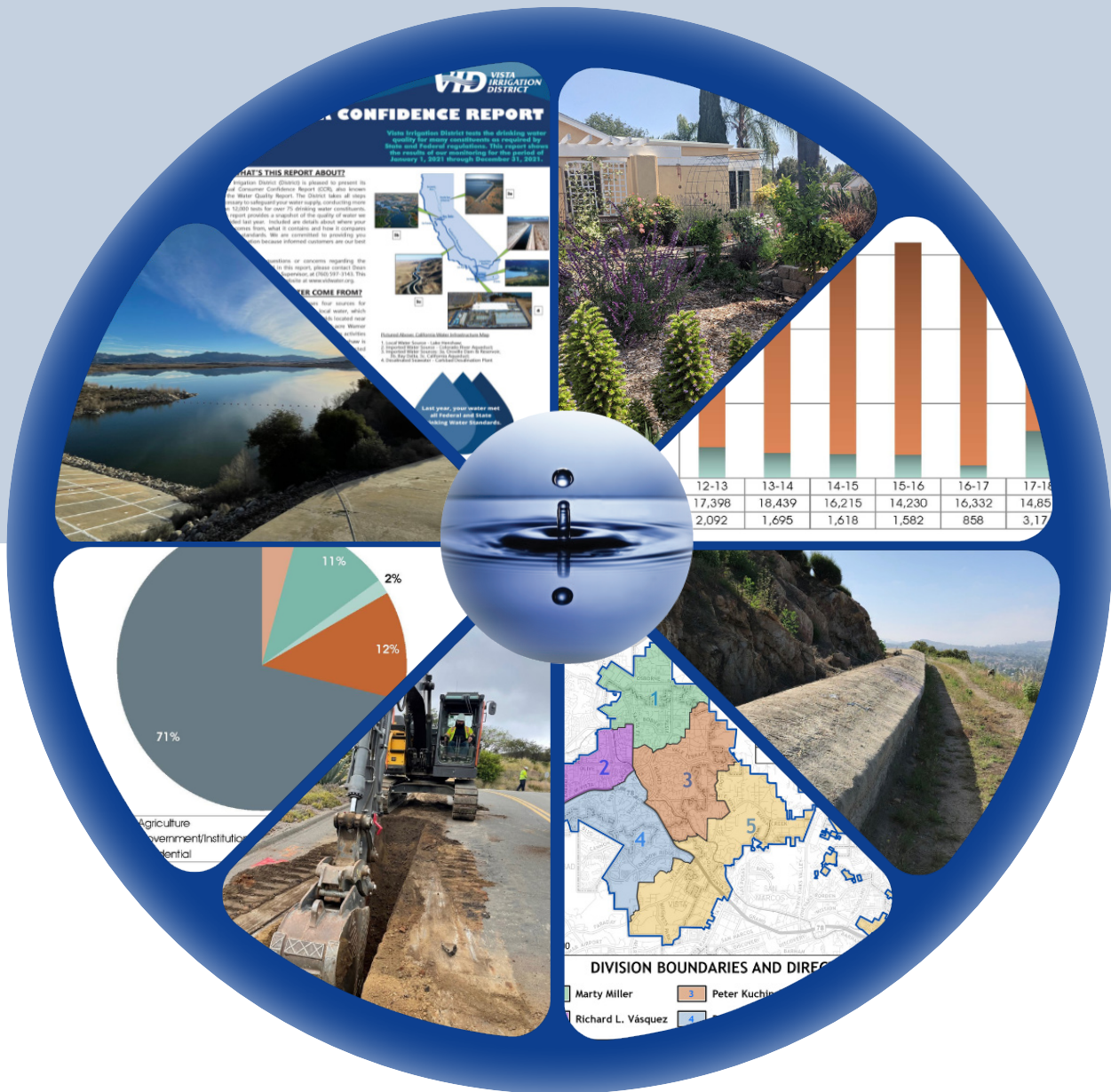
SUMMARY: Each year the District prepares an annual report that includes its financial statements, demographic data and articles about various water related topics, such as, infrastructure improvements, District operations and water supply. The annual report is posted on the District's website and printed upon request.

DETAILED REPORT: On November 7, 2022, the Public Affairs Committee (Committee) met and provided input on information to be contained in the 2022 Annual Report. The layout and design process of the 2022 Annual Report is complete, and the Committee is being provided a draft of the document for their review. Staff would like to receive the Committee's feedback on the draft annual report, revise as necessary and provide a final draft version to be reviewed by the full Board at its April 19, 2023 meeting.

ATTACHMENT: Draft 2022 Annual Report.



# 2022 ANNUAL REPORT





Cover photos:  
 Center: Photograph by Damir Mijailovic via Canva  
 Outside: Vista Irrigation District photographs, charts  
 and map from this annual report.

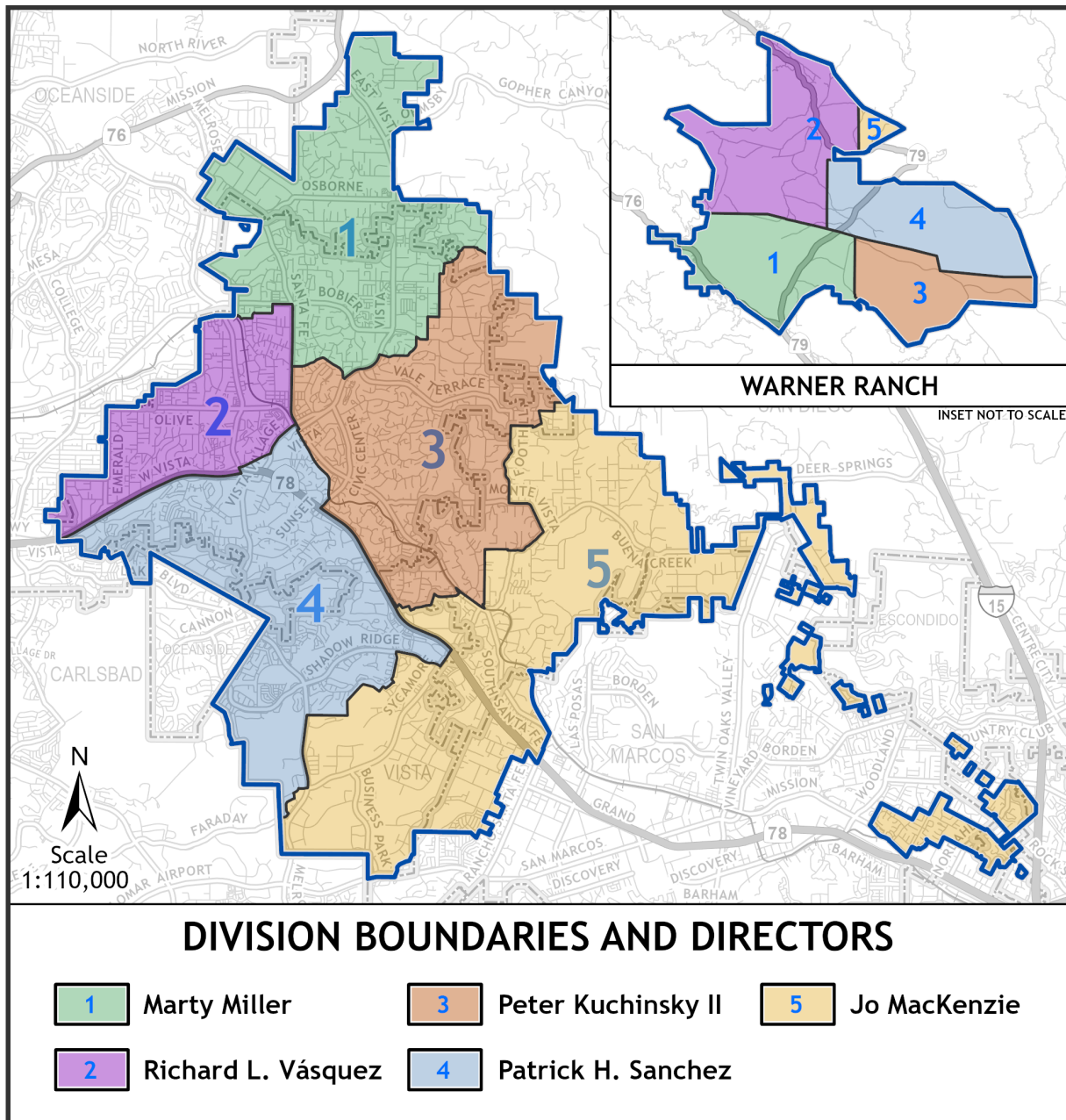
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*The mission of Vista Irrigation District is to provide a reliable supply of high quality water that meets the needs of its present and future customers in an economically and environmentally responsible manner.*

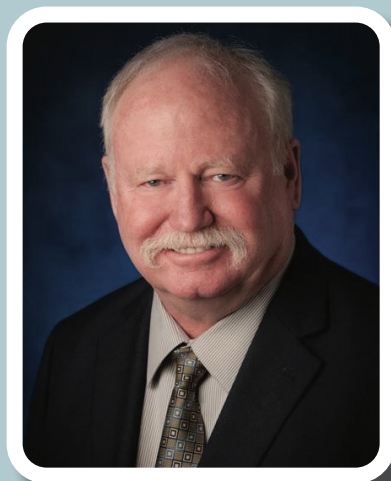
# Division Boundary Map



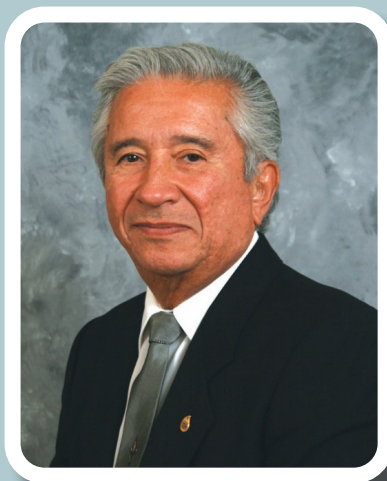
Vista Irrigation District serves roughly 134,000 people through approximately 29,000 residential and business connections in Vista and portions of Escondido, Oceanside, San Marcos and unincorporated areas of San Diego County.

# Vista Irrigation District Board of Directors

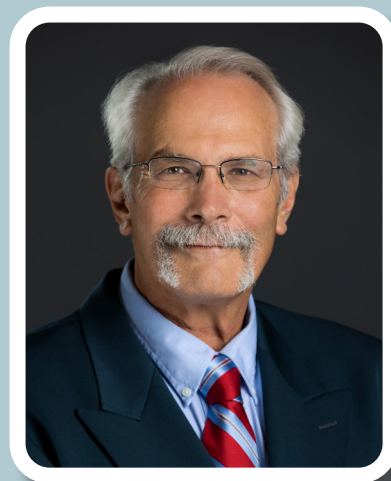
**Marty Miller**  
Division 1



**Richard L. Vásquez**  
Division 2



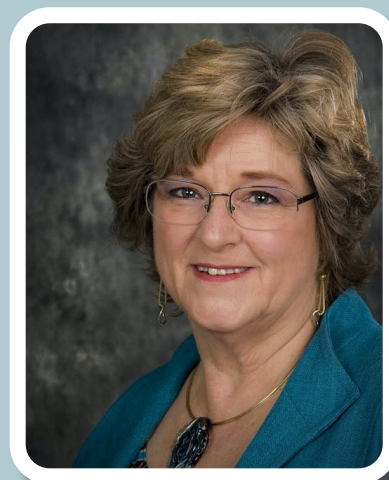
**Peter Kuchinsky II**  
Division 3



**Patrick H. Sanchez**  
Division 4

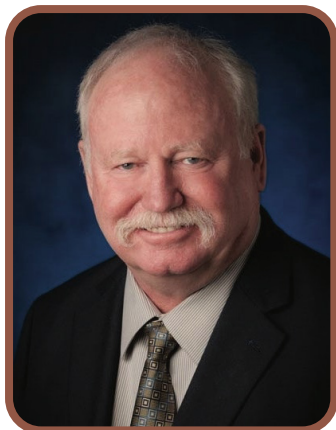


**Jo MacKenzie**  
Division 5



Board meetings are generally held on the first and third Wednesday of each month. Standing committees meet on an as needed basis. Meetings are held at the District office. Meetings are accessible to the public, and agendas are posted the Friday prior to the scheduled meeting. For further information about a meeting, or to request a copy of an agenda or staff report, please contact the Board Secretary at (760) 597-3128.

# A Message from the Board President



*Marty Miller  
2022 Board President  
Director, Division 1*

As a Board Member of Vista Irrigation District for the past fourteen years, I have seen the District go through many changes and face many challenges, including several droughts, legislative and regulatory hurdles and the rising cost of purchased water. This past year, I was honored to serve my third term as Board President and work with the District's dedicated staff to continue to provide you, our customers, with reliable water service.

Aging infrastructure, algal blooms and the rising cost of purchased water are an ongoing challenge for our District. The Board and staff work hard to ensure that addressing these issues has the least impact on our customers. The District's 99th year of service to its customers saw important upgrades to pipelines and reservoirs, the development of a plan to mitigate algal blooms at Lake Henshaw, our local water supply, and the use of rebates received from the San Diego County Water Authority to lessen the impact of higher water costs to its customers.

In 2023, the District will turn 100 years old. The District is proud of its accomplishments over the last century and looks forward to providing reliable water service to the residents and businesses it serves for years to come. I encourage you to contact the District to offer your suggestions on how we can continue to provide the best service possible. We value your input.

# A Message from the General Manager

Since 1923, Vista Irrigation District has been providing its customers with a reliable supply of high quality water. We are committed to doing what it takes to deliver reliable water service at a fair price now and in the future to those who live, work and play in the communities that we serve. Our knowledgeable and skilled staff make sure that we provide the best quality product and service to the residents and businesses we serve day in and day out, and our Board of Directors are committed to making investments today to secure and deliver safe, reliable water in the future.

Over the past year, we continued to implement an aggressive capital improvement program, replacing aging pipelines, reservoirs and other key components of our local water system. Planning for the replacement of the near 100-year old, 11-mile Vista Flume, which carries water from the Escondido-Vista Water Treatment plant to our distribution system, continued with the number of new routes being evaluated being narrowed to three. Construction of the new Edgehill Reservoir and Pump Station project is underway and slated to be completed in 2024; the new reservoir will be larger than the 93-year old reservoir it is replacing, nearly doubling the storage capacity at this location (1.5 million gallons to 2.92 million gallons).

Next year will mark Vista Irrigation District's 100th year of serving the community. We were formed in 1923 to provide water to the farms and orchards of the growing community of Vista. In those days, we served a population of roughly 300; today, we serve a population of over 135,000. Vista Irrigation District is proud of its track record over the last century and looks forward to many more successful years of service.



*Brett L. Hodgkiss  
General Manager*



# Strategic Investments Create a Vibrant Regional Future

A safe and reliable water supply is crucial to sustain the San Diego region's \$268 billion economy and quality of life for 3.3 million residents. To maximize the reliability of the region's most precious resource, San Diego County Water Authority (SDCWA) is executing a successful long-term strategy to diversify its water resources, make major upgrades in the regional water delivery and storage system, and improve water-use efficiency.

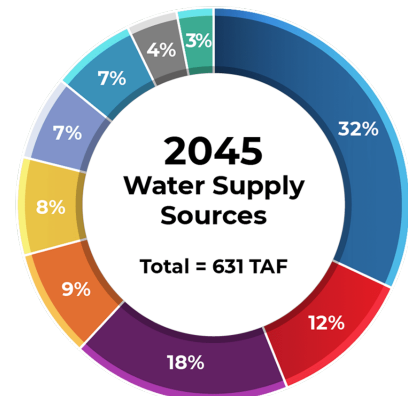
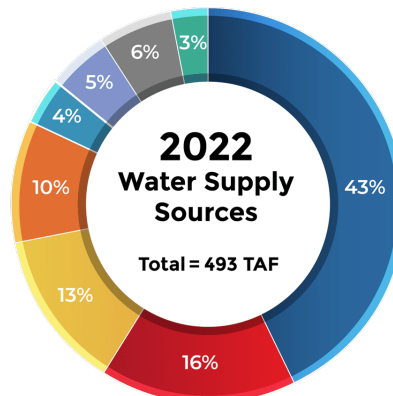
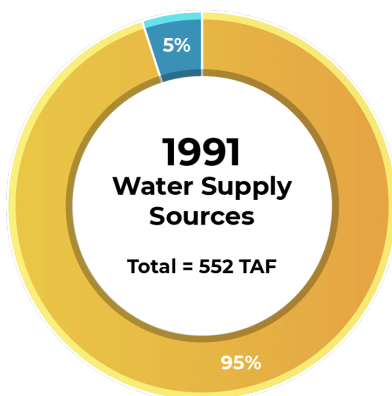
While the San Diego region has sunshine in spades, it doesn't have significant local water supplies. In fact, human history in this semi-arid region has always been marked by the search for reliable water supplies. With intermittent rainfall and

sparse groundwater, the region today relies on low-cost base water supplies from the Colorado River Quantification Settlement Agreement, other imported water supplies, and a variety of local sources, including water recycling.

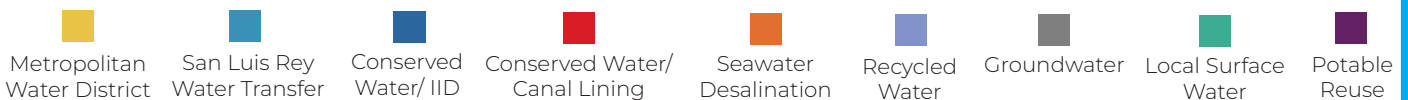
After decades of strategic investments, the Water Authority today is a model for statewide efforts to develop diversified water supply portfolios. The San Diego region's resources range from the nation's largest seawater desalination plant to the nation's largest ag-to-urban water conservation-and-transfer agreement. These assets provide supply security for the region's diverse economy that includes tourism, agriculture, biotech, defense and other sectors.

## Water Resource Portfolio

Decreasing our dependency on non-renewable water sources, increasing the diversification of our water supply and bettering the efficiency and conservation of how we use and procure our water.



\*Based on the 2020 Urban Water Management Plan



Graphs and information from SDCWA. To learn more about regional investments in local water supply visit [www.sdcwa.org/your-water/](http://www.sdcwa.org/your-water/)



# Customer Showcases a WaterSmart Landscape



*“I wanted a lush and colorful landscape with as low of a water bill as possible!” said Ms. Dell. “What was a mundane, flat waste of water is now, and will increasingly be, a joyful, colorful, and dynamic habitat for humans and other wildlife.”*

*~Jennifer Dell*



Every year several local water agencies, including Vista Irrigation District, hold WaterSmart Landscape Contests which provides an opportunity to highlight residential water-efficient landscapes throughout the region. Vista Irrigation District’s top entry showed how colorful water-wise flora can create a beautiful habitat for local fauna.

Jennifer Dell was recognized as the Vista Irrigation District’s 2022 WaterSmart Landscape Contest winner. Replacing the standard, water intensive lawn of her home was a high priority when Ms. Dell purchased the property in 2019; she used upcycled landscape materials and water smart trees, shrubs and perennials to transform her front yard into a thriving landscape. Podocarpus and Purple Hopseed evergreens circle the yard to create a verdant privacy screen that provides seasonal color all year, and spears of deep purple from Pride of Madeira, Lavender and Mexican Sage Bush throughout create a colorful and blossoming habitat for butterflies, bees and birds. Honeysuckle, Star Jasmine and Floribunda Iceberg Roses provide fragrant bursts of color; Ms. Dell also planted a variety of fruit trees that she irrigates with rainwater collected in a rain barrel catchment system.

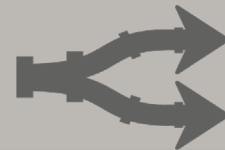
With a majority of their water consumption going to watering landscapes, homeowners are searching for ways to decrease their water use outdoors. By showcasing beautiful landscapes in the WaterSmart Landscape Contest, Vista Irrigation District customers are providing other homeowners with great ideas about how to reduce their own outdoor water use by installing attractive water wise landscaping. For more information about the contest and to see more examples of water wise landscaping, visit [www.landscapecontest.com](http://www.landscapecontest.com).



*Photo Credits: Jennifer Dell*



# District Narrows New Vista Flume Routes to Two

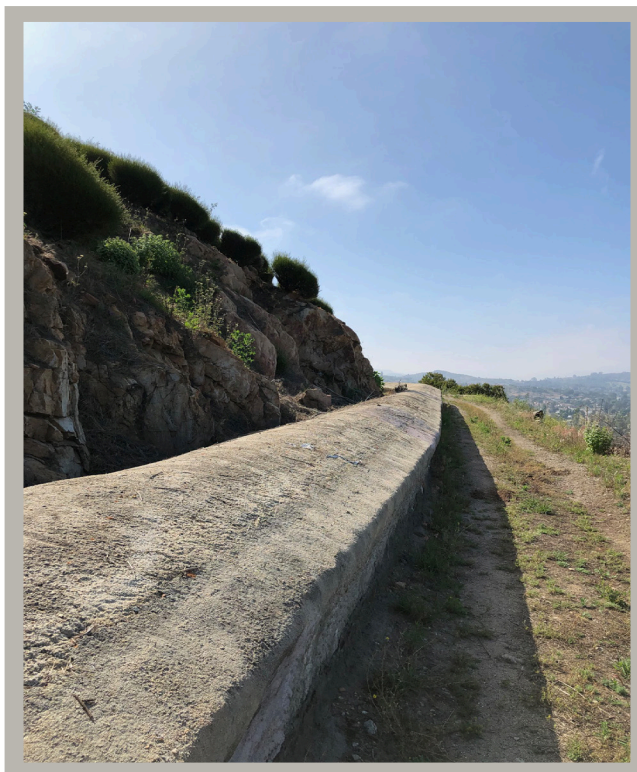


Vista Irrigation District (District) is getting closer to making a decision on the route that a new water supply conveyance, which will replace the nearly 100-year old Vista Flume (Flume), will take. The District is reliant on the Flume to deliver treated water from the Escondido-Vista Water Treatment Plant to its service area. This includes delivery of treated local water from Lake Henshaw, which the District owns and manages.

Constructed in the 1920's, the Flume is built through rugged country hillsides and valleys, spanning just over 11 miles and serves as the District's main water supply conduit to its distribution system. The Flume has been indispensable in supplying reliable water service to our customers for almost a century. An engineering feat that has stood the test of time, the Flume is approaching its useful life.

In 2020, the Board initiated a multi-phased Flume Replacement Alignment Study (Study) to conduct a thorough analysis of project affordability, feasibility and implementation. As with any large infrastructure project, numerous considerations, such as constructability, operational, environmental and community impacts must be evaluated. The Study's third phase narrowed six alignment alternatives down to two, which will be further evaluated and include detailed cost estimates that will ultimately lead to the selection of the top alignment (expected by winter 2023). The final phase will develop design criteria and a final detailed cost estimate for the selected route.

Transparency is a priority as the District moves through each phase of the Study. The District is committed to keeping our customers informed and ensuring the District determines the most reliable, affordable and responsible option for Flume replacement.



*The Vista Flume, 2019*



*Gunnite process along Vista Flume 1920's*

# WATER SUPPLY FACTS

## WATER SOURCES

Vista Irrigation District's original source of water, dating back to 1926, was from Lake Henshaw. The lake, along with the 43,000-acre Warner Ranch, was purchased by the District in 1946. However, drought conditions and population growth eventually caused the District to look for additional water sources. In 1954, the District became a member of the San Diego County Water Authority to take advantage of water imported from the Colorado River and Northern California.



Purchased Water Source: California Aqueduct  
Photo Credit: Ken James, DWR

Typically, 15 to 25 percent of the District's water comes from Lake Henshaw and the remainder comes from purchased water sources, including the Colorado River, desalinated seawater and the Sacramento River/San Joaquin River Delta in Northern California. Harmful Algal Blooms at Lake Henshaw significantly reduced water deliveries from this source in Fiscal Year 2022; only three percent of the District's water came from Lake Henshaw last fiscal year.



Local Water Source: Lake Henshaw, 2022  
Photo Credit: R. Larsen

## WATER QUALITY

Vista Irrigation District takes all steps necessary to safeguard its water supply. Each year staff conducts more than 12,000 tests for over 75 drinking water contaminants, ensuring that the District's water meets safe drinking water standards. Last year, the District's water met or exceeded all Federal and State safe drinking water standards.

Every June, the District makes available its Consumer Confidence Report, also known as the Water Quality Report. The report provides a snapshot of the quality of water provided during the past year. Included are details about what is in your water and how it compares to prescribed standards. It also provides answers to commonly asked questions, such as "what affects the taste of my water?"

The District is committed to providing its customers with information about drinking water because informed customers are the District's best customers. If customers have questions or concerns about water quality, they may contact the District and speak with the water distribution supervisor.



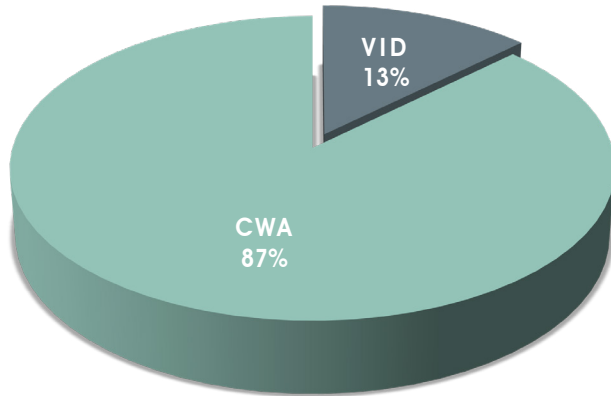
2021 WATER QUALITY MONITORING RESULTS									
Parameter	Units	Federal or State MCL (MRDL)	PHC (MCLG) (MRDLG)	Range Average	Treatment Plant Effluents			DLR	Typical Source/Comments
					Escondido-Vista Water Treatment Plant	Skinner, Twin Oaks Valley, & Weiss Water Treatment Plants Combined Effluents	Carlsbad Desalination Plant		
<b>Primary Standards</b>									
<b>Clarity (Turbidity)</b>									
Combined Filter Effluent Turbidity*	NTU	TT=1	NA	Range Average	0.02 - 0.12 0.04	ND - ND 0.03	NR - NR NR	NA	Soil Runoff
	%	TT=95% of samples ≤ 0.2 NTU	NA	Highest	0.12	0.14	0.09		Soil Runoff
				Percentage	100%	100%	100%	NA	
* Turbidity is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results, which meet performance standards, are considered to be in compliance with filtration requirements.									
<b>Inorganic Constituents</b>									
Arsenic (As)	ug/L	10	0.004	Range	ND - 2	ND - 2	ND - ND	2	Erosion of natural deposits; glass and electronics production waste.
				Average	ND	ND	ND		
Chlorite	mg/L	1	0.05	Range	0.14 - 0.53	NR - NR	NR - NR	0.02	By-products of drinking water chlorination
				Average	0.26	NR	NR		
Fluoride (F-) Treatment Related	mg/L	2	1	Range	0.6 - 0.8	0.3 - 0.9	ND - 0.8	0.1	Erosion of natural deposits; water additive for dental health.
				Average	0.7	0.5			

Excerpts from the 2022 Consumer Confidence Report (CCR). The 2023 CCR will be available July 1, 2023.

# WATER SUPPLY FACTS

## 2022 WATER RATES AND CHARGES

### 2022 Water Usage Charge Allocation

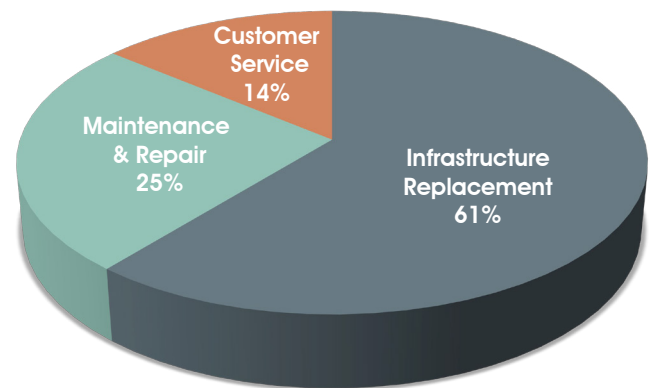


In 2022, approximately 13 percent of the revenue generated by water usage charges was utilized by Vista Irrigation District to cover operating and maintenance expenses; the remaining 87 percent was used to pay the San Diego County Water Authority (Water Authority) for water purchases.

The Water Authority is responsible for supplying water to 24 member agencies within San Diego County. Not simply a water provider, the Water Authority is also responsible for the construction and maintenance of regional storage, delivery and treatment infrastructure necessary to ensure the reliable delivery of water to local water agencies like Vista Irrigation District.

Vista Irrigation District's service charge helps pay the District's fixed costs, which exist regardless of the amount of water pumped and delivered. Fixed costs continue without regard to the amount of water that a customer uses and are sometimes called "readiness-to-serve" charges because they are incurred as part of keeping the water system ready to deliver water to any customer at a moment's notice. In 2022, the largest component of the service charge recovers the cost of replacing the District's aging water system infrastructure.

### 2022 VID Service Charge Components



## WATER INFRASTRUCTURE

Replacement of aging infrastructure has always been a high priority for the District. In 1995, the Board of Directors initiated an on-going Main Replacement Program (Program) with the goal of replacing aging pipelines before they reach the end of their useful life and become a maintenance liability. The formalized Program has allowed pipe replacements to be prioritized based on a variety of factors, including age of pipe, leak history, pipe material and input from District crews who evaluate every line's condition at the time repairs are being made.

Since its inception, the District has allocated \$34.6 million to this program, which has allowed the replacement of nearly 38 miles of older pipe ranging in size from four to 20 inches. The Board of Directors approved another \$2.5 million for this Program as part of the budget for Fiscal Year 2023.

The District's investments in the Main Replacement Program as well as system upgrades and other infrastructure improvements, including the rehabilitation and replacement of reservoirs, help the District meet its goal of providing a reliable and high quality water supply to its customers.



*Pictured: Mainline Replacement on San Clemente Ave*



Information about Vista Irrigation District's water supply as well as an electronic copy of the latest Consumer Confidence Report can be found on the District's web site, [www.vidwater.org](http://www.vidwater.org). Additionally, you can find out more information about District services, rates, water conservation and recent announcements. Customers can also download publications, such as the District's direct payment program application and engineering standard specifications/drawings.

# EMPLOYEE SERVICE AWARDS

Annually, the Board of Directors recognizes employees who have reached major milestones in their careers with Vista Irrigation District. Longevity is a hallmark of the District, and this year was no exception. The pictured employees received service awards commemorating their dedicated service to the District and its customers.



**Don  
Gordon**



**Joel  
Gullingsrud**



**Allie  
Valladares**



**Jessica  
Sherwood**



**Berto Alvarez**




**Stephen Huynh**




**Jason Jones**




**Rick Pooley**

46   
Million Gallons  
of Storage

Over  
5,000   
Mainline Valves

 429  
Miles of Pipeline

# DISTRICT DEMOGRAPHICS

Over  
29,000   
Meters

18   
Interagency  
Connections

Over  
134   
Thousand Customers

Over  
12,000   
Annual Water  
Quality Tests

# DISTRICT DEMOGRAPHICS

## Distribution System

This table shows the District's treated water storage capacity by reservoir. The elevation numbers represent each reservoir's height above mean sea level.

RESERVOIR	SIZE AND TYPE	EXISTING CAPACITY	FLOOR ELEVATIONS	TOP WATER ELEVATIONS
		(Million Gallons)	(Feet)	(Feet)
Lupine Hills	Prestressed Concrete – 137' Dia. – 31' High	3.4	537.0	568.0
Pechstein	Prestressed Concrete – 355' Dia. - 27' High	20.0	810.0	837.0
Deodar	Prestressed Concrete - 86' Dia. - 30' High	1.3	869.0	899.0
San Luis Rey	Concrete - 156' x 136' x 25' High	3.1	540.0	565.0
Virginia Pl. (A)	Concrete - 100' Dia. - 13' High	0.8	695.0	708.0
Summit Trail (C)	Concrete - 100' Dia. - 13' High	0.8	625.0	638.0
Edgehill (E)	Concrete - 96' Dia. - 12' High	1.5	741.0	753.0
Cabrillo Cir. (E-1)	Concrete - 90' Dia. - 13' High	0.6	546.0	559.0
Rockhill (MD)	Concrete - 55' Dia. - 10' High	0.2	886.0	896.0
Edgehill (HP)	Prestressed Concrete – 160' Dia. – 32' High	4.7	943.0	975.0
Buena Creek (HB)	Prestressed Concrete – 160' Dia. – 30' High	4.5	951.0	981.0
Elevado (H)	Prestressed Concrete – 160' Dia. – 36' High	5.4	774.0	810.0
<b>Total</b>		<b>46.3</b>		

## Water Transmission Facilities

Escondido Canal and Intake	Carrying Capacity: 50 CFS	VID rights = 1/2
Vista Main Canal (Flume)	Carrying Capacity: 30 CFS	Eleven miles of conduit from the Escondido-Vista Water Treatment Plant to Pechstein Reservoir

## Water Meters

This table shows the total number of meters in service by the use type.

Residential (Single and Multi-Family)	24,864
Commercial/Industrial	1,578
Irrigation	945
Agricultural	279
Fire Service (Fire Sprinklers)	1,299
Governmental	91
<b>Total</b>	<b>29,056</b>

## VID Pipelines

This table shows miles of pipeline in the District's distribution system by size and material type.

4" to 12" AC	240 miles
14" to 36" AC	17 miles
2.5" to 12" PVC	106 miles
14" to 24" PVC	3 miles
4" to 12" Steel	36 miles
14" to 36" Steel	25 miles
<u>All other materials larger than 4"</u>	<u>2 miles</u>
<b>Total</b>	<b>429 miles</b>

## Water Equivalents

- 1 Acre Foot equals 325,900 gallons
- 1 Acre Foot equals 43,560 cubic feet
- 1 Cubic Foot equals 7.48 gallons
- 1 Cubic Foot per Second (CFS) equals 449 gallons per minute and in 24 hours equals 1.983-acre feet

# DISTRICT DEMOGRAPHICS

## Performance of Distribution Systems

(Fiscal Year 2021–2022)

This table shows water delivered to the District (from purchased and local sources) versus how much was delivered to customers. Losses encompass water that was delivered to the District but not sold to customers. Water losses can be attributable to a number of factors, including pipeline leaks and breaks, theft, hit fire hydrants and fire suppression activities.

	<u>Acre Feet</u>	
	<u>Water In</u>	<u>Water Out</u>
Local Water Received at Esccondido-Vista Water Treatment Plant (Henshaw Water)	519	
Received from San Diego Aqueduct (Purchased)	16,832	
Metered to VID users		16,444
Losses		907
<b>Total</b>	<b>17,351</b>	<b>17,351</b>

## Lake Henshaw Properties

**Warner Ranch:**  
43,402 acres (68 square miles)

**Semi-Hydraulic Earth Fill Dam:**  
Height 110 feet, Length 1,950 feet

**Groundwater Development:**  
12 active production wells and  
91,000 feet of conduit

**Reservoir (Lake Henshaw):**  
51,832 acre feet capacity;  
2,256 acres in area, 203 square mile  
watershed

## Lake Henshaw Performance

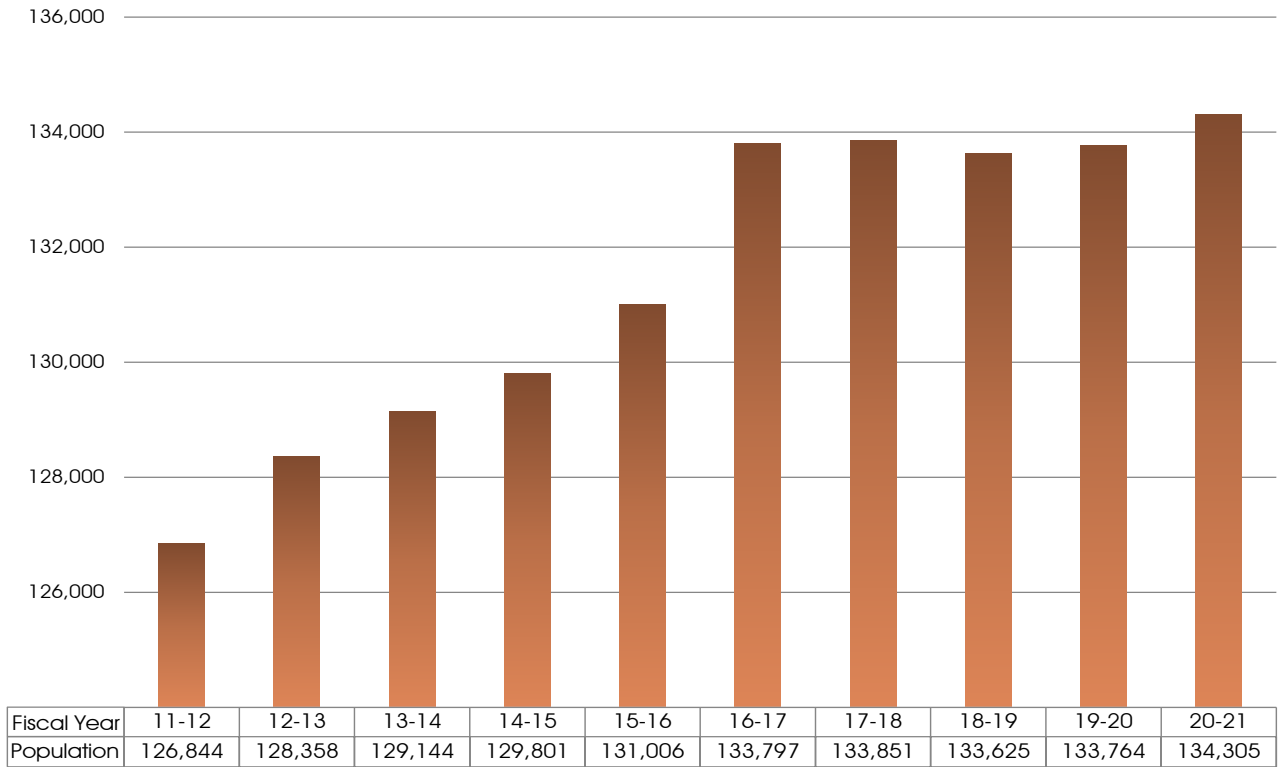
This table presents an annual accounting of various sources of inflows, such as run-off and pumped water from the Warner Basin aquifer, and outflows of water from the lake.

	<u>Acre Feet</u>
Total Storage July 1, 2021	4,188
Plus Pumped Water	8,386
Plus (minus) other gains/(losses)	87
Less Release	(3,975)
Less Evaporation	(4,564)
Less Spill	0
<b>Total Storage July 1, 2022</b>	<b>4,122</b>

# DISTRICT DEMOGRAPHICS

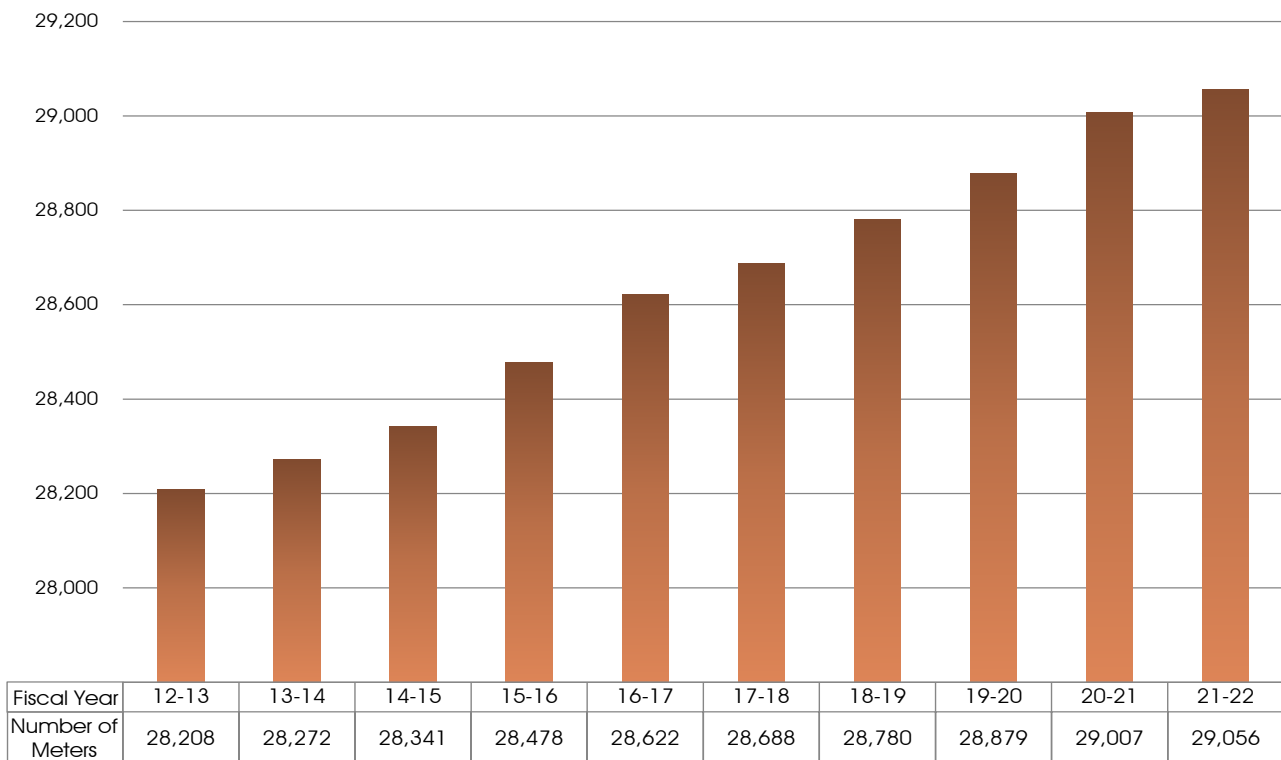
## Population

The graph depicts population growth within the District’s service area, which is comprised of the city of Vista as well as portions of San Marcos, Escondido, Oceanside and unincorporated areas of the county. Source: San Diego Association of Governments.



## Meters in Use

This graph shows the increase in the number of meters in use over a ten year period.

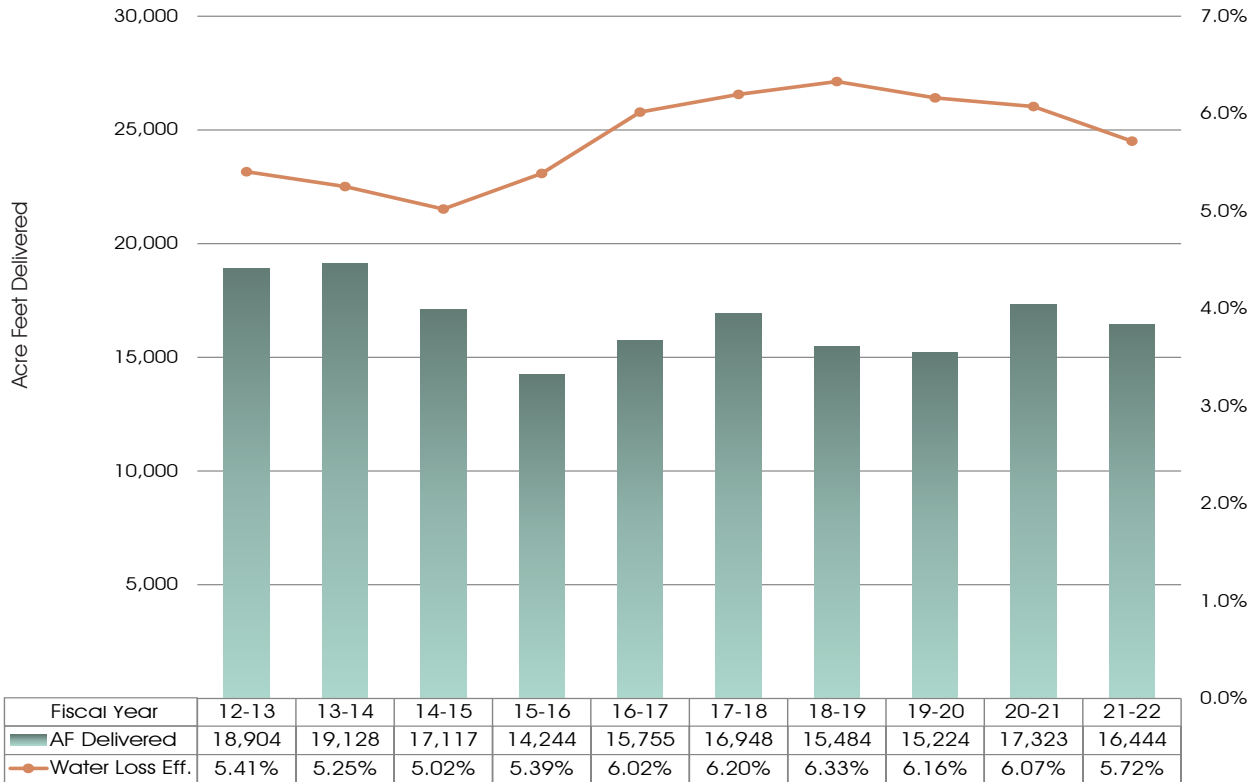




# DISTRICT DEMOGRAPHICS

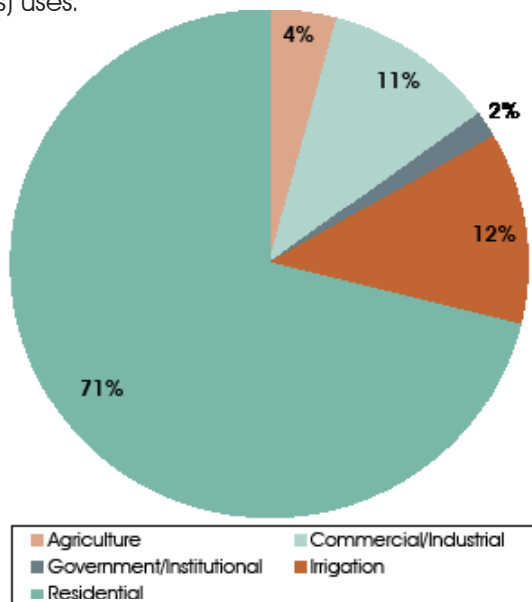
## Distribution Efficiency

The Distribution Efficiency graph shows water delivered to customers (from purchased and local sources) which is represented by the blue bars. The green line shows historical water losses. Losses encompass water that was delivered to the District but not sold to customers. Water losses can be attributable to a number of factors, including pipeline leaks and breaks, under-registering meters, evaporation, theft, hit fire hydrants and fire suppression activities.



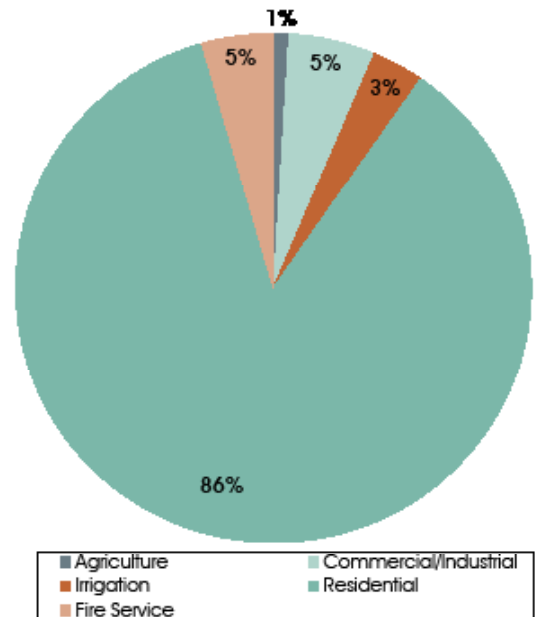
## Water Delivered by Use Type

This graph shows how much water is delivered for different uses. As illustrated, a majority of the water delivered to District customers (71%) is for residential use. The balance is delivered for irrigation, commercial/industrial (business), agriculture and governmental/institutional (parks, libraries, schools) uses.



## Meters in Service by Use Type

This graph shows meters in service by use. Almost 86% of the District's 29,056 meters are used to supply water to single-family residences.

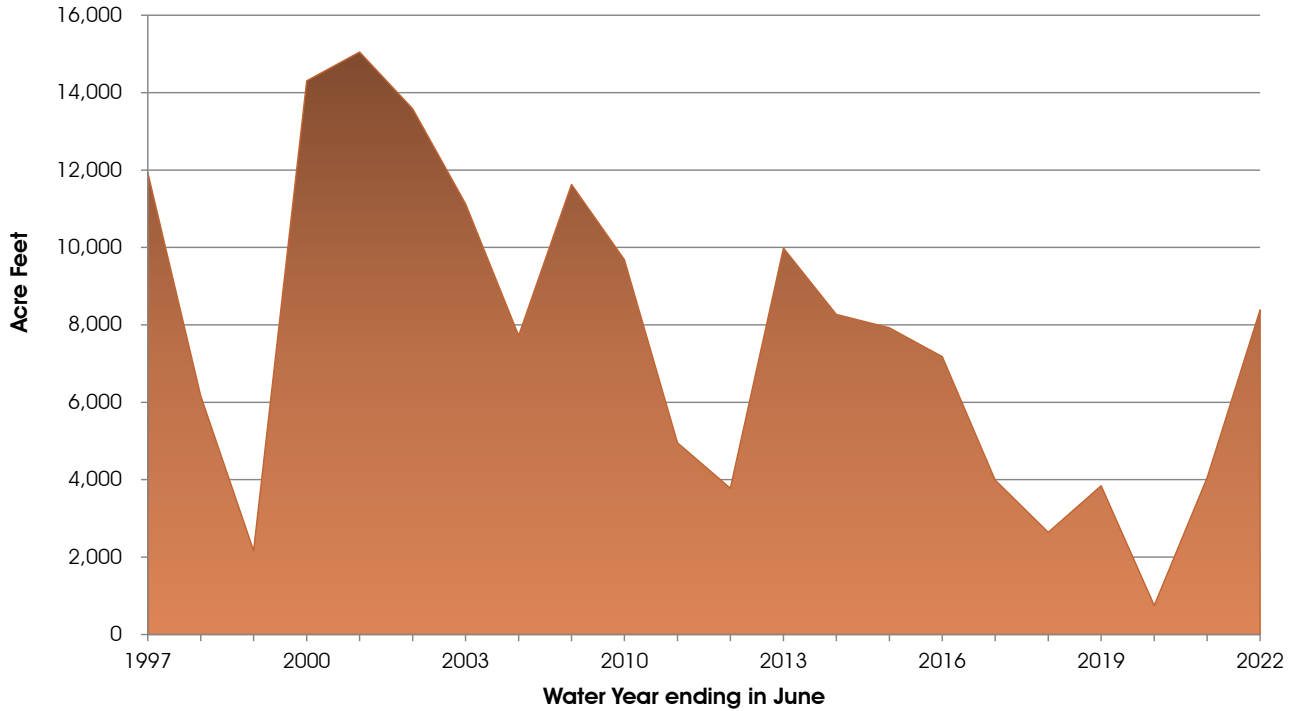


Note: Government/Institutional meters in use less than one percent; not shown in chart.

# DISTRICT DEMOGRAPHICS

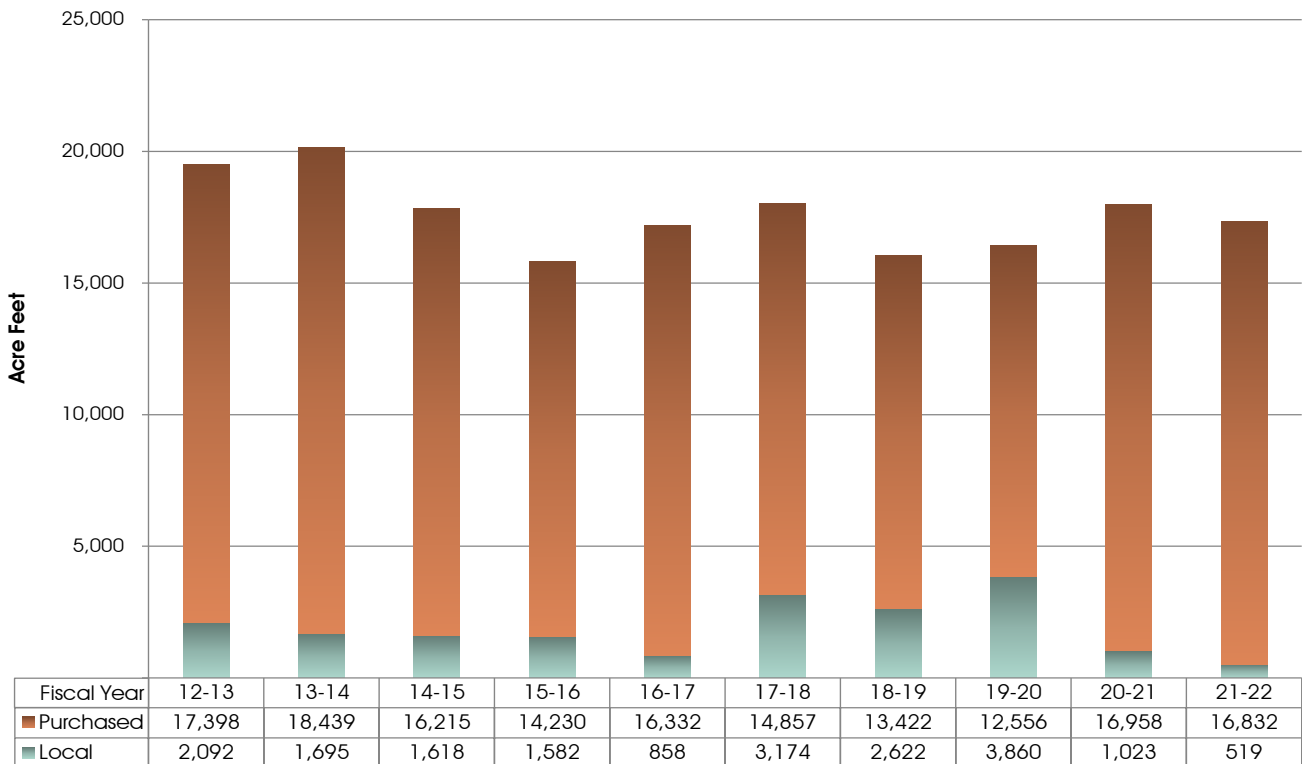
## Water Pumped from Warner Basin (Yearly Totals)

Lake Henshaw’s water comes from run-off as well as pumped groundwater from the Warner Basin, which surrounds the lake. This graph shows pumped water totals from 1997 to 2022. Typically, pumped water is more heavily relied on during extended dry periods.



## Water Received

The District receives water from Lake Henshaw (local) and from Northern California, the Colorado River and desalinated sea water (purchased). This graph shows how much of each source was received in a given year.

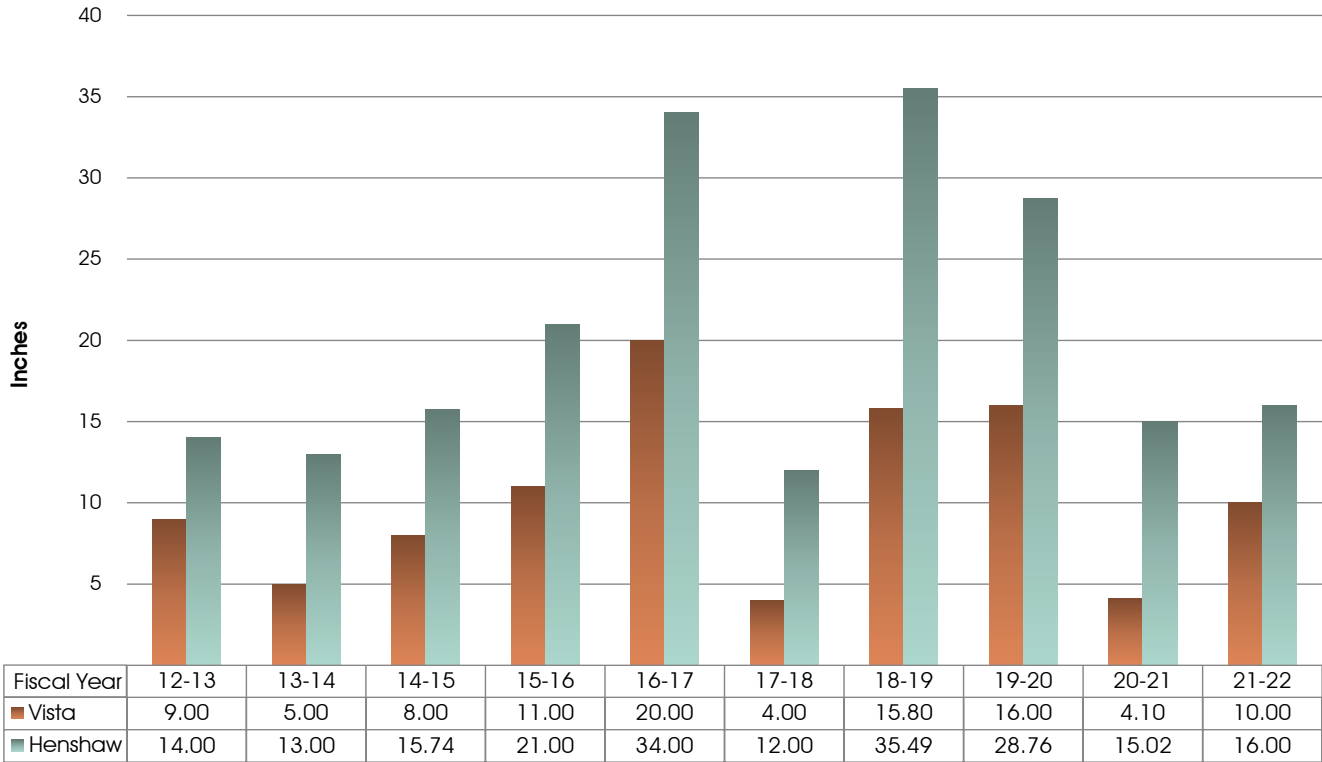


# DISTRICT DEMOGRAPHICS

## Rainfall

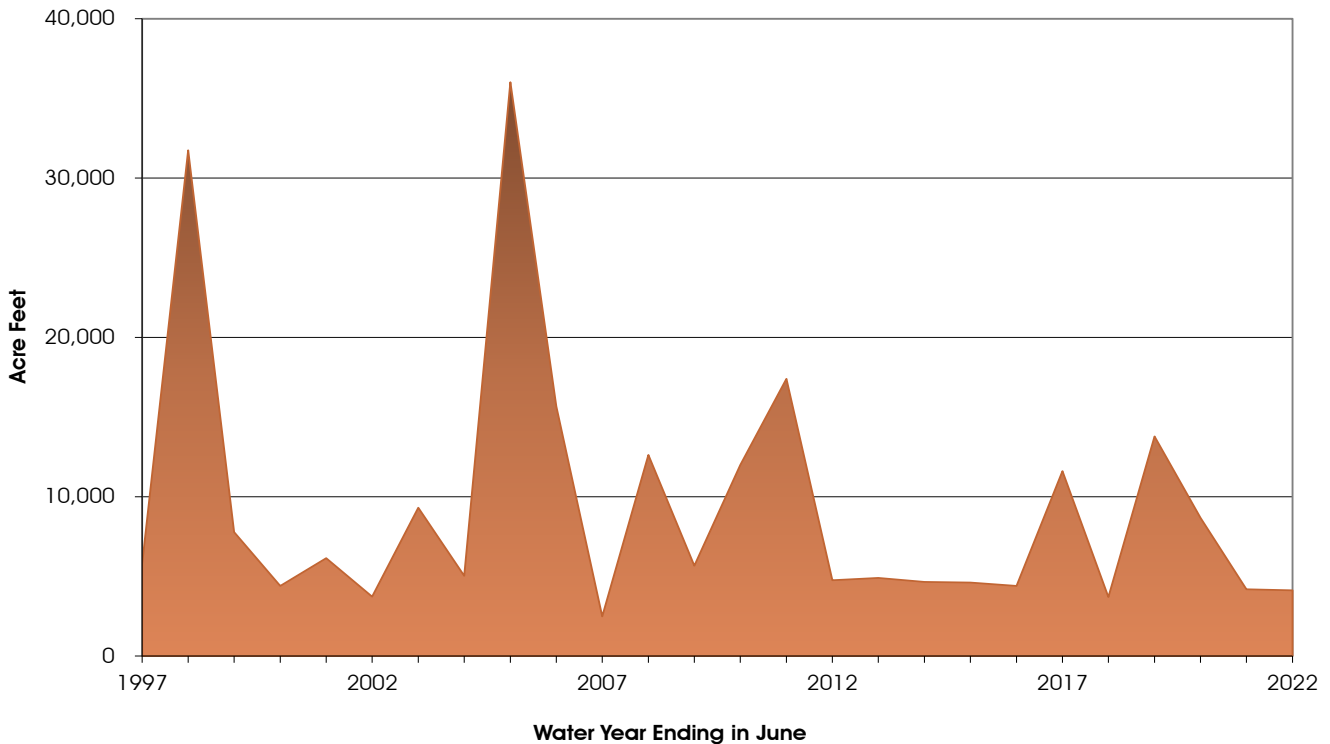
(July 1 - June 30)

This graph shows rainfall totals for Vista and the Lake Henshaw area over the past ten years.



## Water Stored in Lake Henshaw

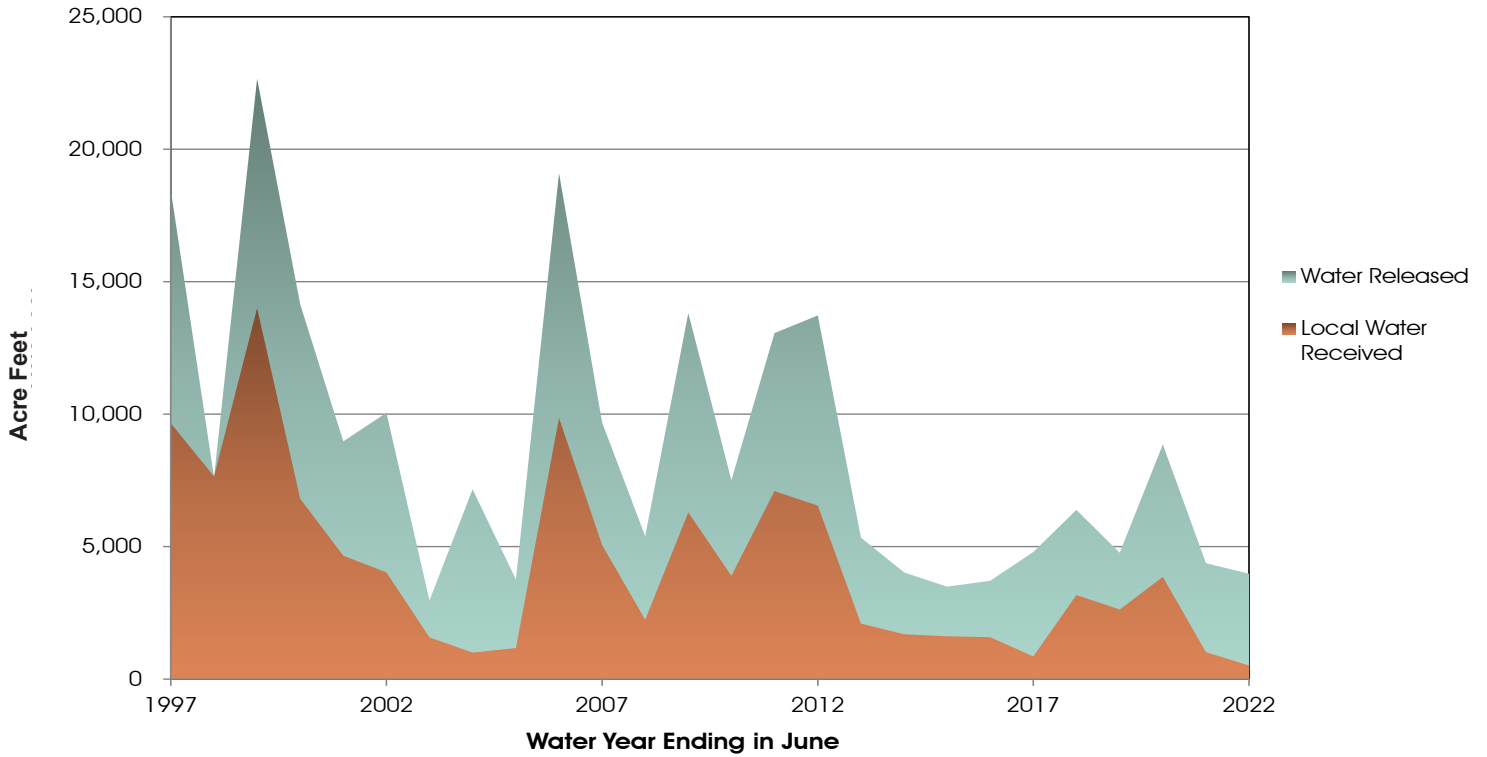
Lake Henshaw's storage capacity is 51,832 acre feet. This graph shows water stored in Lake Henshaw for the past 25 years.



# DISTRICT DEMOGRAPHICS

## Water Released from Lake Henshaw versus Local Water Received

This graph compares the amounts of water released from Lake Henshaw with local water received by the District. Typically, the amount of local water received is less than the amount of water released because a portion of the released water also serves the City of Escondido and the Rincon Band of the Mission Indians.



# DISTRICT FINANCIAL SUMMARY

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**For the Year Ended June 30, 2022**

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# Vista Irrigation District Financial Summary

## For the Year Ended June 30, 2022

Below is a summary of Vista Irrigation District's financial performance for the fiscal year ended June 30, 2022. The below summary information should not be relied upon to make financial decisions. For a comprehensive representation of the financial position and results of operations of the District, please see the Annual Comprehensive Financial Report for Fiscal Year Ended June 30, 2022, which can be found on Vista Irrigation District website at <https://www.vidwater.org/audited-annual-comprehensive-financial-reports>.

The below summary of the District's financial statements include two components:

- Net Position
- Changes in Net Position

The Net Position table includes the District's assets, deferred outflows, liabilities and deferred inflows, with the difference reported as net position. Net position provides the basis for evaluating the capital structure of the District and assessing its liquidity and financial flexibility.

### Net Position

The District's overall net position increased \$5.9 million between fiscal years 2021 and 2022 from \$133.7 to \$139.6 million, primarily due to operating income of \$6.2, as well as \$.9 million in contributed capital.

### **Vista Irrigation District Net Position (In Millions of Dollars)**

	2022	2021
Current assets	\$ 59.9	\$ 56.7
Noncurrent assets	115.1	109.2
Total Assets	175.0	165.9
 Deferred outflows of resources	 5.3	 5.9
Current liabilities	17.0	14.7
Noncurrent liabilities	10.6	21.0
Total Liabilities	27.6	35.7
 Deferred inflows of resources	 13.1	 2.4
 Net Position:		
Investment in capital assets	111.0	109.2
Unrestricted	28.6	24.5
Total Net Position	\$ 139.6	\$ 133.7

# Vista Irrigation District Financial Summary

## For the Year Ended June 30, 2022

### Change in Net Position

The Changes in Net Position table presents information identifying how the District's net position changed during each year. All of the year's revenues and expenses are recorded when the underlying transaction occurs, regardless of the timing of the related cash flows. Changes in net position measure the success of the District's operations during the year and determine whether the District has recovered its costs through user fees and other charges.

In fiscal year 2022, the District's operating revenues increased by 0.8% to \$54.9 million, and 97.1% of the District's operating revenues came from water sales and service charge revenues.

During fiscal year 2022, the District's operating expenses decreased 8.3% to \$48.7 million primarily due to pension income resulting from increased investment earnings in the pension plan portfolio.

### **Vista Irrigation District Changes in Net Position (In Millions of Dollars)**

	2022	2021
Operating Revenues		
Water sales, net	\$ 53.4	\$ 52.5
Property rentals	0.9	0.8
System fees	0.3	0.8
Other services	0.3	0.5
Total Operating Revenues	54.9	54.6
Operating Expenses	48.7	53.2
Operating Income	6.2	1.4
Nonoperating Revenues (Expenses)		
Property taxes	0.6	0.5
Investment income	(0.1)	0.1
Gain (Loss) on disposal of capital	(1.7)	-
Total Nonoperating Revenues	(1.2)	0.6
Contributed Capital	0.9	1.4
Changes in Net Position	5.9	3.4
Total Net Position - beginning	133.7	130.3
Total Net Position - ending	\$ 139.6	\$ 133.7



**1391 Engineer Street  
Vista, CA 92081  
(760) 597-3100  
[www.vidwater.org](http://www.vidwater.org)**