

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

April 25, 2022

A meeting of the Public Affairs Committee of Vista Irrigation District was held on Thursday, April 25, 2022, at the offices of the District, 1391 Engineer Street, Vista, California.

**1. CALL TO ORDER**

Director Sanchez called the meeting to order at 1:00 p.m.

**2. ROLL CALL**

Committee members present: Sanchez and Vásquez.

Staff present: Marlene Kelleher, Director of Administration; Alisa Nichols, Management Analyst.

**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: 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.

**6. 2021 ANNUAL REPORT**

See staff report attached hereto.

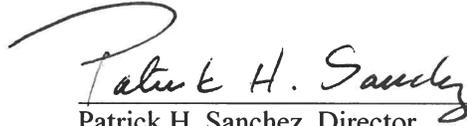
The Committee reviewed and discussed information contained in the draft 2021 Annual Report. The Committee suggested changes to be incorporated into the draft report and directed staff to prepare a Committee report on this topic for presentation to the Board at a future meeting.

**7. COMMENTS BY COMMITTEE MEMBERS**

None were presented.

**8. ADJOURNMENT**

There being no further business to come before the Committee, at 2:22 p.m. Director Sanchez adjourned the meeting.

  
\_\_\_\_\_  
Patrick H. Sanchez, Director

ATTEST:

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



**PUBLIC AFFAIRS COMMITTEE  
STAFF REPORT**

**Agenda Item: 5**

<b>Meeting Date:</b>	<b>April 25, 2022</b>
<b>Prepared By:</b>	<b>Alisa Nichols</b>
<b>Reviewed By:</b>	<b>Marlene Kelleher</b>
<b>Approved By:</b>	<b>Brett Hodgkiss</b>

**SUBJECT:** SCHOLARSHIP CONTEST

**RECOMMENDATION:** Review application materials and select the winner(s) of Vista Irrigation District's 2022 scholarship contest.

**PRIOR BOARD ACTION:** On May 5, 2021, the Board awarded \$2,000 scholarships to Kulpreet Chhoker from Mission Vista High School; Kylie Konyn from St. Joseph Academy; and Delanee Haskins from North County Trade Tech High School as winners of the Vista Irrigation District scholarship contest; and \$500 scholarships to Izak Bunda from Guajome Park Academy; Anthony Jones and Malia Leonard from Rancho Buena Vista High School; and Colby Rafail and Juan Ramirez from Vista High School as runners-up in the scholarship contest.

**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 impacting 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 2021, application packets, which included a brochure for the scholarship contest, were provided to counselors of high schools 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, the San Diego County Water Authority's Water News Network webpage and the City of Vista's newsletter. Application materials were made available on the District's website. The District received 12 applications by the February 25, 2022 deadline.

Public Affairs Committee members Vásquez and Sanchez 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 May 11, 2022 Board meeting. The winner(s) will be acknowledged at the May 25, 2022 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) from VID. Up to six scholarships may be awarded in amounts ranging from \$1,000 to \$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 25, 2022:**

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/question:

*Past and current droughts have impacted the way California residents think about water usage. How are your community's water agencies water use and needs different from other parts of the state?*

The essay will be judged on originality and demonstrated understanding of the question. Students may obtain an application package from their Scholarship Counselor or from VID by contacting Alisa Nichols at (760) 597-3173. The fillable application package and related materials also may be downloaded from the district's website ([www.vidwater.org](http://www.vidwater.org)).

A completed application package must be received via e-mail at [anichols@vidwater.org](mailto:anichols@vidwater.org) or at Vista Irrigation District, 1391 Engineer Street, Vista, CA 92081-8840 **by 5:00 PM on Friday, February 25, 2022.**

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.



**2022 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?** \_\_\_\_\_

**List the Special Districts that serve your community:** \_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**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)**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

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

\_\_\_\_\_

\_\_\_\_\_

## 2022 VID SCHOLARSHIP SELECTION

Applicant Name	Essay <i>(Knowledge of issue)</i> 40%	Personal Statement 35%	Community Involvement 15%	Letters of Recommendation 10%	Comments
Alyssa Ashley					
Samantha Bailey					
Anya Eberle					
Jennifer Galan					
Bethany Guy					
Grace Koumaras					
Abby Paliotti					
Steven Phan					
Kenneth Morales Reyes					
Giovanni Rodriquez					
Mateo Sulejmani					
Emilie Taylor					

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**

**Agenda Item: 6**

<b>Meeting Date:</b>	<b>April 25, 2022</b>
<b>Prepared By:</b>	<b>Alisa Nichols</b>
<b>Reviewed By:</b>	<b>Marlene Kelleher</b>
<b>Approved By:</b>	<b>Brett Hodgkiss</b>

SUBJECT: 2021 ANNUAL REPORT

RECOMMENDATION: Discuss draft 2021 Annual Report.

PRIOR BOARD ACTION: None.

FISCAL IMPACT: Design and layout of the annual report is performed in-house by District staff. No outside printing costs are anticipated for the Annual Report as it will only be available electronically.

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.

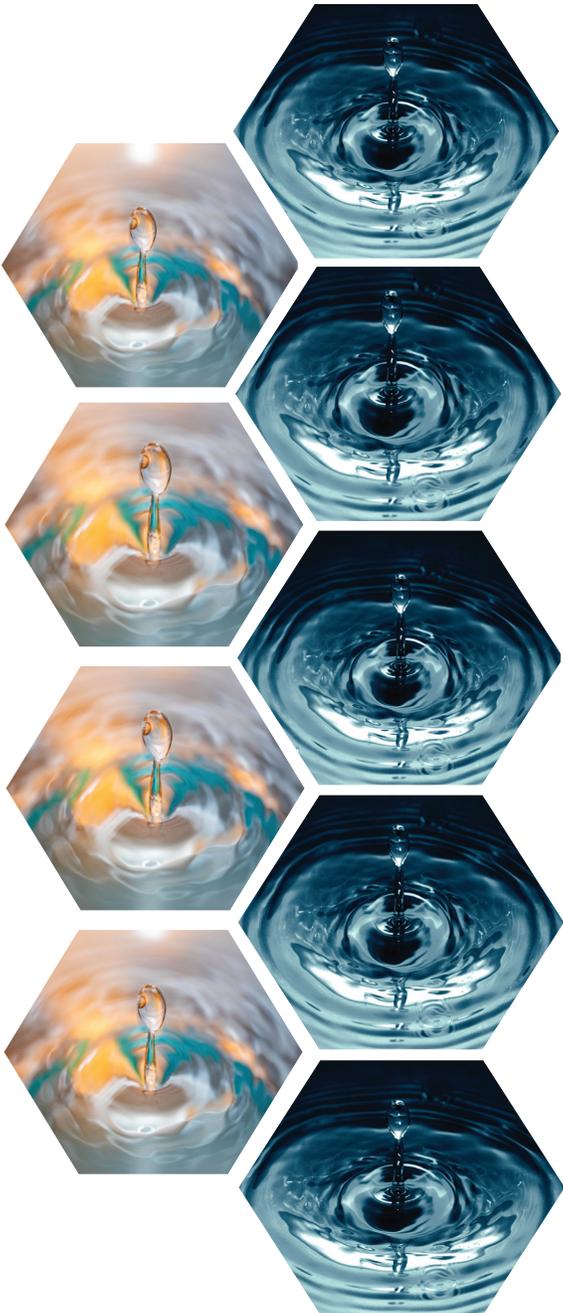
DETAILED REPORT: On November 16, 2021, the Public Affairs Committee met and provided input on information to be contained in the 2021 Annual Report. The layout and design process of the Annual Report is complete and the Committee is being provided a draft of the document for their review. Staff would 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 the May 11, 2022 meeting.

ATTACHMENT: Draft 2021 Annual Report.



# 2021 ANNUAL REPORT





Cover photos:  
Left: Photograph by Justin Owens via Unsplash  
Right: Photograph by Terry Vlisidis via Unsplash

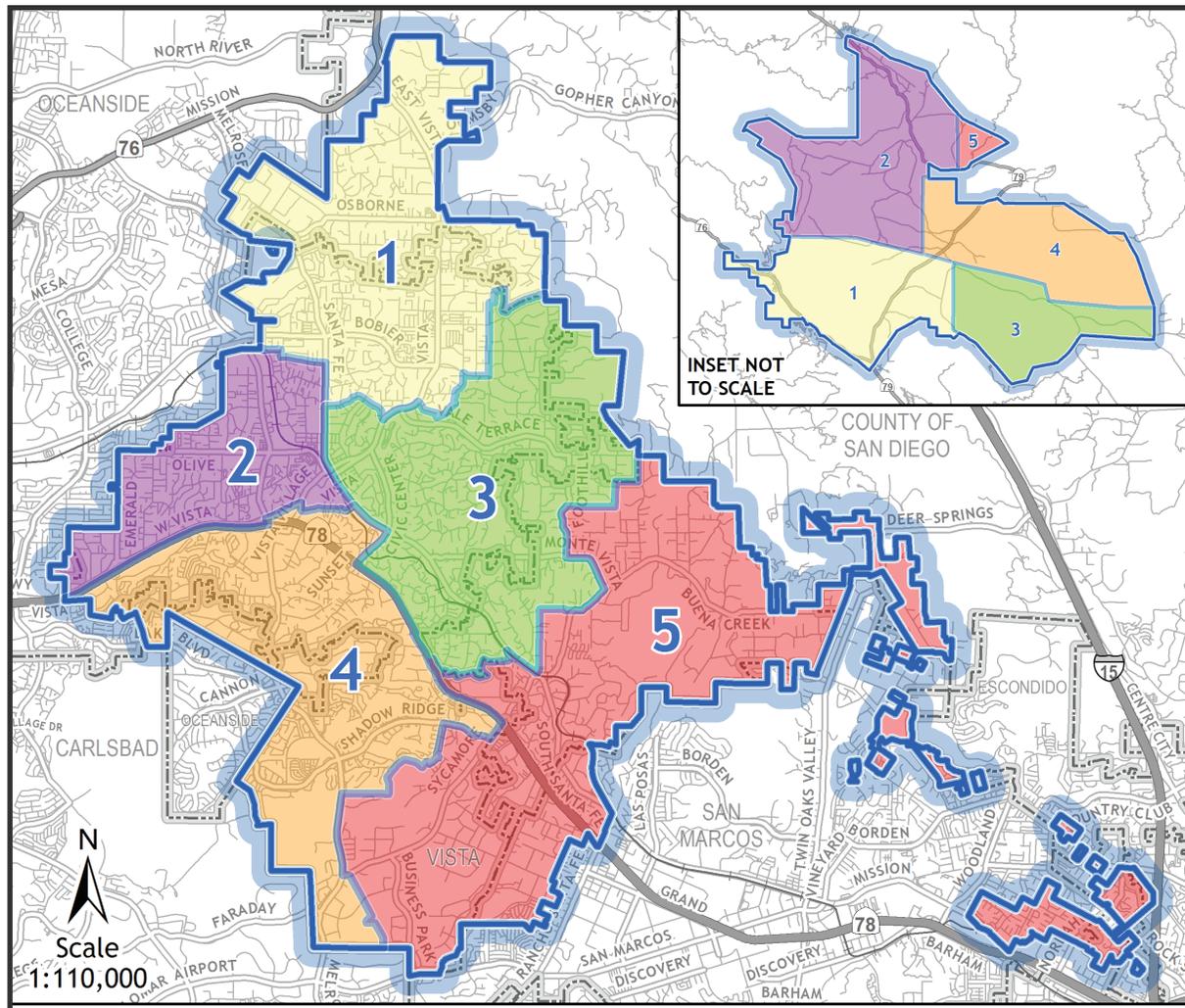
# Table of Contents

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Division Boundary Map	2
Board of Directors	3
A Message from the Board President	4
A Message from the General Manager	5
San Diego County Water Authority Report: San Diego County is Drought Safe	6
Local Fourth Graders Get Water Smart	7
Good Governance and Prudent Financial Planning Wins District Awards	8
District Begins Vista Flume Replacement Analysis	9
Water Supply Facts	10
Employee Service Awards	12
District Demographics	13
District Financials	21

*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.*

# Vista Irrigation District Division Boundary Map



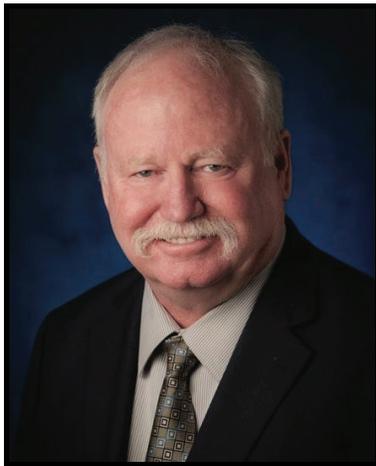
## DIVISION BOUNDARIES AND DIRECTORS

 <b>1</b> Marty Miller	 <b>3</b> Paul E. Dorey	 <b>5</b> Jo MacKenzie
 <b>2</b> Richard L. Vásquez	 <b>4</b> Patrick H. Sanchez	

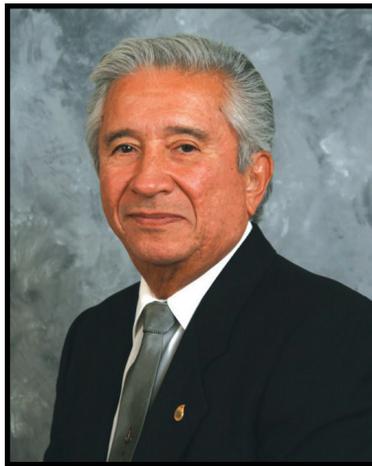
Vista Irrigation District serves roughly 133,000 people through approximately 29,000 residential and business connections in Vista and portions of Escondido, Oceanside, San Marcos and unincorporated areas of San Diego County.

# Board of Directors

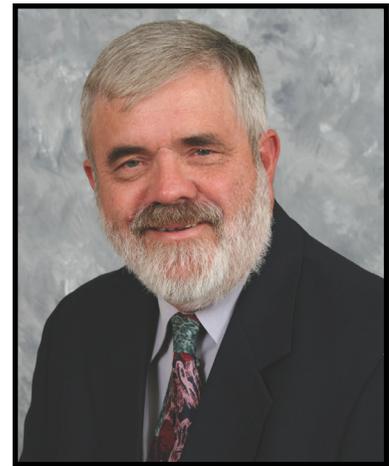
*Marty Miller*  
*Division 1*



*Richard L. Vásquez*  
*Division 2*



*Paul E. Dorey*  
*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

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*Patrick H. Sanchez  
2021 Board President  
Director, Division 4*

*“The District is committed to investing in infrastructure to ensure water reliability at all times, not just during times of drought.”*

*~ Patrick H. Sanchez*

As the newest Board member of Vista Irrigation District, but no stranger to public service, I have been honored to serve the District in my first term as Board President. As 2021 continued to present challenges related to the ongoing pandemic, the District remained steadfast in its commitment to provide a safe and reliable water supply to our customers.

For decades, the District’s dedicated staff and Board of Directors have carefully planned and invested in long-term projects to ensure our residents and businesses have a reliable water supply for their everyday needs, no matter the circumstances. Through droughts, population growth, natural disasters and a pandemic, we have worked hard to ensure such a critical resource is consistently available for our customers when it is needed. It has never been more important to safeguard an economical water supply while also facing new challenges and navigating increasingly complex regulatory landscapes; I am pleased at the District’s success in meeting these challenges and moving forward with critical infrastructure projects to ensure uninterrupted service to our valuable customers.

This past year the District moved into Phase 2 of the Vista Flume Replacement Alignment Study, which includes the development of alignment alternatives and a cost and affordability study (see page 9 for an in-depth look at the progress of the Vista Flume Replacement project). Additionally, the District continued structural improvements on Pechstein Reservoir to prolong the life of the roof of the District’s largest storage tank, which holds 20 million gallons, and completed the Buena Creek Reservoir Rehabilitation Project, which included seismic retrofits and structural repairs that minimize earthquake vulnerability. The District also finalized all necessary environmental reviews and began construction of the E Reservoir Replacement and Pump Station Project in December 2021, which includes demolition of the existing reservoir, removing rock, and re-grading the site to accommodate the new reservoir and pump station. All of these important projects were designed to improve the safety, security and reliability of the water supply.

The District is committed to investing in infrastructure to ensure water reliability at all times, not just during times of drought. As Board President, I assure you that my colleagues and I will do all that we can to protect water supply reliability in a cost-effective and sustainable manner. I am proud of the District’s successes over the past year as well as our staff’s ability to provide continuous service to our customers in the midst of a public health crisis. As always, the District welcomes your input on how we can best continue to serve our customers.

# A Message from the General Manager

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**Brett L. Hodgkiss**  
**General Manager**

*“Vista Irrigation District has positioned itself to succeed, even under the most challenging circumstances.”*

*~ Brett Hodgkiss*

Over the past two years, Vista Irrigation District has faced multiple challenges associated with the pandemic that have required focus and commitment. We recognized that we were not the only ones affected by the pandemic; you, our customers, were too. With this in mind, our employees worked tirelessly to fulfill our mission of delivering a reliable supply of high quality water to you.

In spite of the challenges presented by the pandemic, including material and supply shortages and ever-changing restrictions, our employees were unwavering in their commitment to each other and the communities that we serve. District staff worked together, continuing to provide customer support, and operate and maintain our water system so the water was there when you turned on the tap.

The coronavirus does not affect the quality or supply of your tap water. The water treatment process includes disinfection, which inactivates viruses, including coronavirus; we maintain disinfection throughout the distribution system to ensure that your water remains safe on its journey to your home. We test water throughout our distribution system on a daily basis to ensure it meets all stringent state and federal drinking water standards.

In 2022, we will continue to make headway on infrastructure projects that are important to ensuring water service reliability. Our Board of Directors remains committed to a sustained investment in maintaining, improving and replacing aging pipelines, reservoirs and other key components of our local water system to avoid significant water service interruptions. Planning for the replacement of the near 100-year old Vista Flume, which carries water from the Escondido-Vista Water Treatment plant to our distribution system, continues with a number of new routes for this 11-mile conveyance being evaluated.

Additionally, we will begin replacing the 93-year old Edgehill Reservoir; the new reservoir will be larger, nearly doubling the storage capacity at this location (1.5 million gallons to 2.92 million gallons); also, a new pump station will be constructed at this site, allowing water to be pumped to other locations in the distribution system as needed, providing increased reliability.

As we enter our 99th year of operation, Vista Irrigation District has positioned itself to succeed, even under the most challenging circumstances, and continue to deliver a safe and reliable water supply to its customers now and into its second century of operation.

# San Diego County is Drought Safe

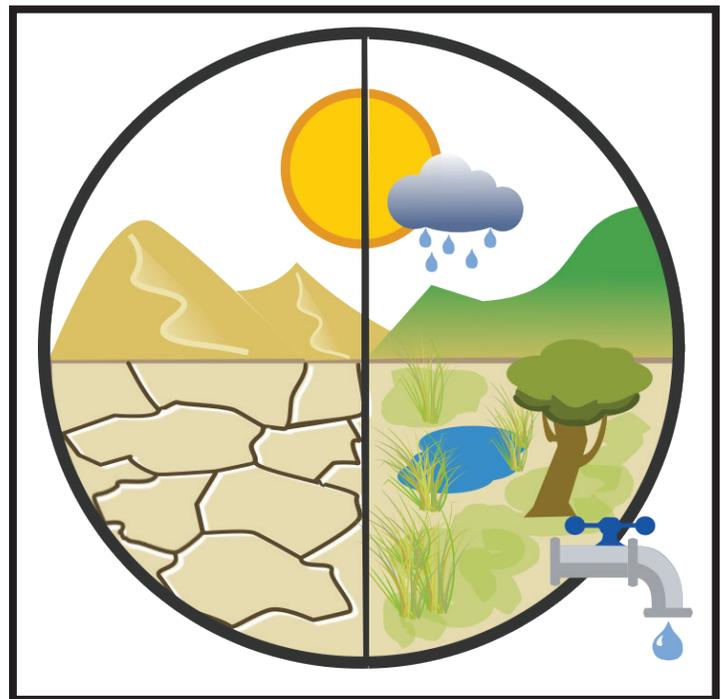
Thanks to years of prudent planning and investments in local water supply by the San Diego County Water Authority (Water Authority), the region is well prepared to withstand the current and future droughts. Despite winter rains, the majority of California remains in a drought and while many communities suffered its effects, the investments in water supply planning by the San Diego region paid off. The Water Authority is the region's wholesale water provider and is responsible for the construction and maintenance of regional water storage and delivery and treatment infrastructure providing water to 24 member agencies, including Vista Irrigation District (District).

San Diegans are no strangers to droughts and have risen to past calls for water conservation. Overall, the Water Authority reports that San Diego County residents have conserved more than 1 million acre-feet of water (enough water to cover an acre of land one foot deep) over the past three decades (that is almost 326 Billion gallons). Over the years, the Water Authority and the region's ratepayers have invested in a diversified "portfolio approach" to water security that protects the region's economy and quality of life from droughts and other water supply shortages. This diversified strategy includes increasing locally controlled water supplies, such as the Carlsbad Desalination Plant, expanding water storage capacity and improving water-use efficiency through regional rebate and education programs.

Since 2003, strategic investments by the Water Authority have increased emergency water storage by 190,000 acre-feet or 30 percent. The region now has 723,000 acre-feet of emergency and drought-response storage capacity. This enhanced water supply reliability can shield the region from potential supply cuts and provides sufficient water supplies for decades to come, even during multiple dry years.

The Water Authority has also invested in water efficiency programs that offer regional education, resources and rebate programs for both residential and commercial properties, such as turf replacement, WaterSmart landscape workshops, WaterSmart device rebates and free WaterSmart checkups. Many of these resources are available to District customers.

The Water Authority and its member agencies, including the District, have prioritized investments in infrastructure and water-use efficiency programs to improve the region's water supply reliability because maintaining a safe and reliable water supply is our number one priority. The Water Authority's strategic planning and regional investments in infrastructure, coupled with prudent planning and proactive District operations have well positioned the region and District customers for decades to come.



To learn more about regional investments in local water supply reliability visit  
[www.sdcwa.org/investments-protect-san-diego-region-from-drought/](http://www.sdcwa.org/investments-protect-san-diego-region-from-drought/)

For more information on how District customers can take advantage of rebate programs, head over to the District's website at [www.vidwater.org/water-conservation](http://www.vidwater.org/water-conservation).

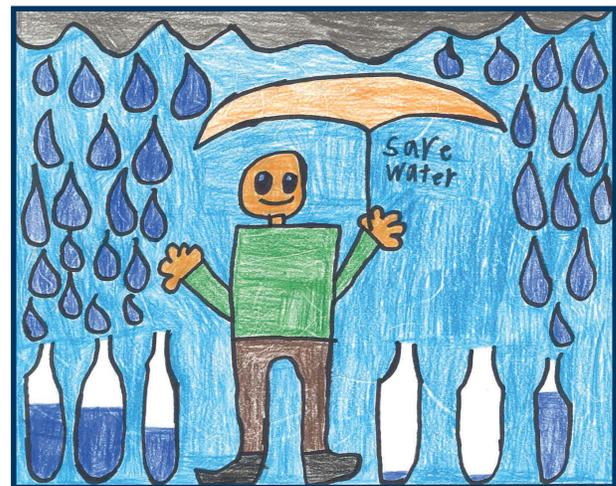
# LOCAL FOURTH-GRADERS GET WATER SMART!



Emaline Kennedy's 1st place artwork.



Paul Gomez's 2nd place artwork.



Matthew Potter's 3rd place artwork.

Vista Irrigation District (District) presented awards to three fourth-grade students from the local community as winners of the 2021 Water Awareness Calendar poster contest. The popular, long-running poster contest, which targets students in the fourth-grade, is designed to promote understanding of water issues and conservation in elementary schools. The theme of 2021's contest was "Love Water, Save Water."

The contest is sponsored annually by the North County Water Agencies, a group of thirteen northern San Diego County water agencies dedicated to promoting water conservation and awareness. The 2021 poster contest winners were selected from 249 student entries in the District service area.

Emaline Kennedy of Grapevine Elementary won first place in the District's contest. Paul Gomez of Empresa Elementary was the District's second place winner, and Matthew Potter of Alamosa Park Elementary was the District's third place winner. The top three winners received prizes and their artwork was included in the North County Water Agencies' 2022 Water Awareness Calendar, available free of charge at the District office.

# Good Governance and Prudent Financial Planning Earns District Awards



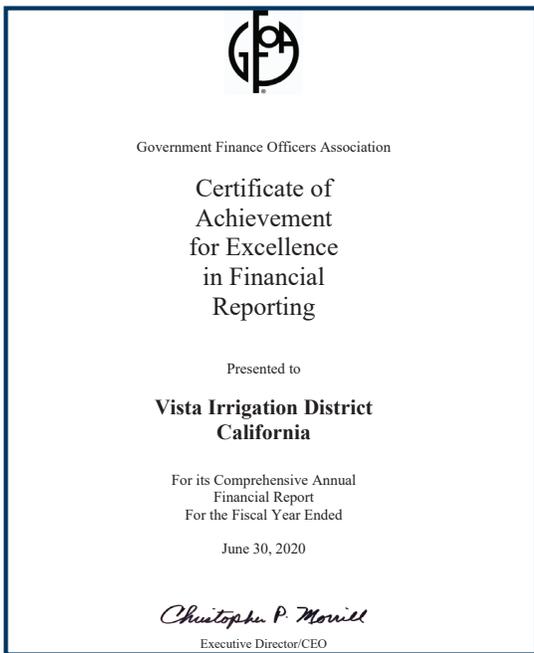
Public agencies at all levels are challenged with practicing responsible fiscal management and good governance, while maintaining aging infrastructure in an increasingly regulated environment. Vista Irrigation District (District) is committed to transparency and sharing vital information about the District with our customers. We are proud to report the District received statewide and national recognition for its efforts in 2021.

## District of Distinction and Transparency Certificate of Excellence

The District received two statewide honors by the Special District Leadership Foundation (SDLF) whose mission is to promote and recognize excellence in the governance and management of special districts. The District received the District of Distinction Platinum recognition for its strong commitment to good governance, transparency, prudent fiscal policies and sound operating practices. Platinum recognition is the highest level of recognition and the District is one of only ten special districts statewide to obtain such recognition.

The District was also awarded the Transparency Certificate of Excellence in recognition of its efforts to promote transparency in operations and governance to the public. Only 145 out of over 2,000 special districts in the state have received this certificate.

Both the District of Distinction and Transparency Certificate of Excellence awards require the District to meet numerous criteria, including training elected officials and staff, adopting financial, public information and conflict of interest policies, properly conducting and communicating open and public meetings, performing outreach efforts to constituents, and meeting twenty different website requirements.



## Certificate of Achievement for Excellence in Financial Reporting

The District was also presented with the Certificate of Achievement for Excellence in Financial Reporting by the Government Finance Officers Association of the United States and Canada (GFOA) for its comprehensive annual financial report for fiscal year ending June 30, 2020. This certificate is the only national award for public sector financial reporting.

This marks the fourteenth year the District has received GFOA recognition for excellence in financial reporting and transparency. The Certificate of Achievement is the highest form of recognition in the area of governmental accounting and financial reporting, and its attainment represents a significant accomplishment by a government agency and its management team.

The District is committed to practicing good governance, transparency and sound financial management on behalf of its customers and is proud to be recognized on national and statewide levels for its achievements.



# District Begins Vista Flume Replacement Analysis

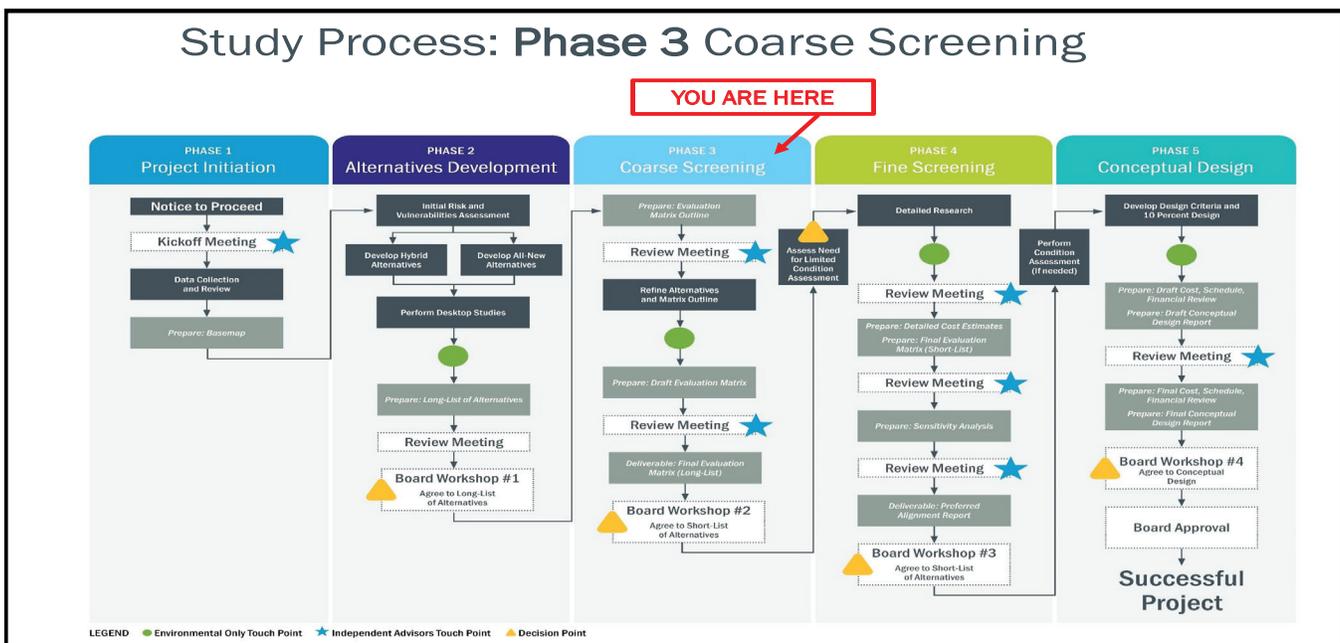
Vista Irrigation District (District) is making strides in its planning efforts to replace the nearly 100-year old Vista Flume (Flume). The District is reliant on the Flume to deliver treated water from the Escondido-Vista Water Treatment Plant to its service area; this includes delivery of treated local water from Lake Henshaw, which the District owns and manages.

Constructed between 1925 and 1927, the Flume is built through rugged country hillsides and valleys, spanning just over 11 miles and serves as the District's main water conduit. 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.

Back in March 2020, a Water Supply Planning Study was prepared to evaluate whether the Flume should be replaced or retired and what other water supply alternatives exist. After careful analysis, the Board of Directors (Board) made the prudent decision to replace the Flume. The District estimates Flume replacement costs to be between \$140 million and \$175 million (adjusted totals for current market prices) including planning, design and construction. Flume replacement is the least costly water supply option for the District, having an estimated first-year unit water cost of \$2,370 per acre-foot and total 30-year present-worth cost of \$290 million. In comparison, the alternative of retiring the Flume and having complete reliance on purchased water has an estimated first-year unit water cost of \$2,540 per acre-foot and total 30-year present-worth cost of \$420 million. In addition to significant cost savings, replacing the Flume increases water supply reliability and opportunities for continued regional cooperation with other local water agencies.

This past year the Board initiated a multi-phased Flume Replacement Alignment Study (Alignment 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. During Phase 2 of the Alignment Study, six Flume alignment alternatives were developed along with risk versus cost screening criteria that were presented to the Board in August 2021. Currently, Phase 3 is underway where a coarse screening analysis of the alignment alternatives is being completed to select the top two alignments (expected by spring 2022); the top two alignments will then be reviewed further in Phase 4 where a fine screening analysis will ultimately select the top alignment for conceptual design (expected by spring 2023).

Transparency is a priority as the District moves through each phase of the Replacement 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.



Graphic Courtesy of Brown & Caldwell

# WATER SUPPLY FACTS

## WATER SOURCES

Vista Irrigation District's original source of water, dating back to 1926, was from Lake Henshaw. The lake was later purchased by the District, along with the 43,000 acre Warner Ranch, 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: KJ Wheeler, DWR*

Over the last three decades, about 30 percent of the District's water has come from Lake Henshaw and 70 percent has come 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 2021; only six percent of the District's water came from Lake Henshaw last fiscal year.



*Local Water Source: The Vista Flume, circa 2016*

## 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.

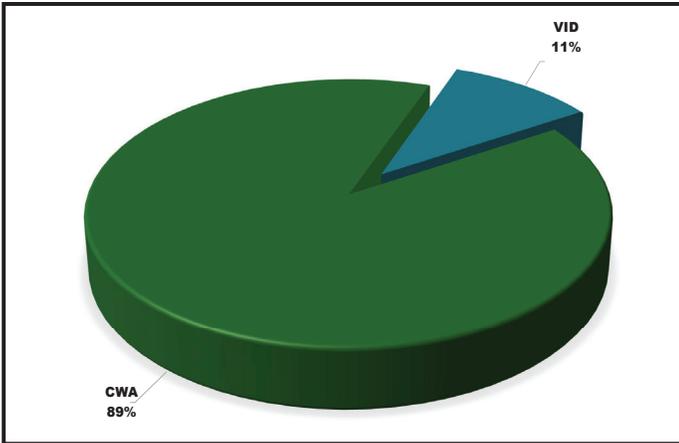
2020 WATER QUALITY MONITORING RESULTS									
Parameter	Units	Federal or State MCL (MCLG) (MRDL)	PHG (MCLG) (MRDL)	Range — Average	Treatment Plant Effluents			DLR	Typical Source/ Comments
					Escondido-Vista Water Treatment Plant	Skinner, Twin Oaks Valley, & Weess Water Treatment Plants Combined Effluents	Carlsbad Desalination Plant		
<b>Primary Standards</b>									
<b>Clarity (Turbidity)</b>									
Combined Filter Effluent Turbidity*	NTU	TT=1	NA	Range	0.03 - 0.11	0.01 - 0.27	NR	NA	Soil Runoff
				Average	0.05	0.013	NR		
%	TT=85% of samples ≤ 0.3%	NA	Percentage	100.0%	100.0%	100%	NA	Soil Runoff	
			Average	0.08					
<b>Inorganic Constituents</b>									
Arsenic (As)	ug/L	10	0.004	Range	NR	ND - 1.1	ND	2	Erosion of natural deposits; glass and electronics production waste
				Average	NR	ND	ND		
Chlorite	mg/L	1	0.05	Range	0.15 - 0.42	NR	NR	0.03	By-products of drinking water chlorination
				Average	0.25	NR	NR		
Fluoride (F-) Treatment Related	mg/L	2	1	Range	0.6 - 0.8	0.2 - 0.9	0.61 - 0.80	0.1	Erosion of natural deposits; water additive for dental health
				Average	0.68	0.7	0.7		

*Excerpts from the 2021 Consumer Confidence Report (CCR). The 2022 CCR will be available July 1, 2022.*

# WATER SUPPLY FACTS

## 2021 WATER RATES AND CHARGES

### 2021 Water Usage Charge Allocation

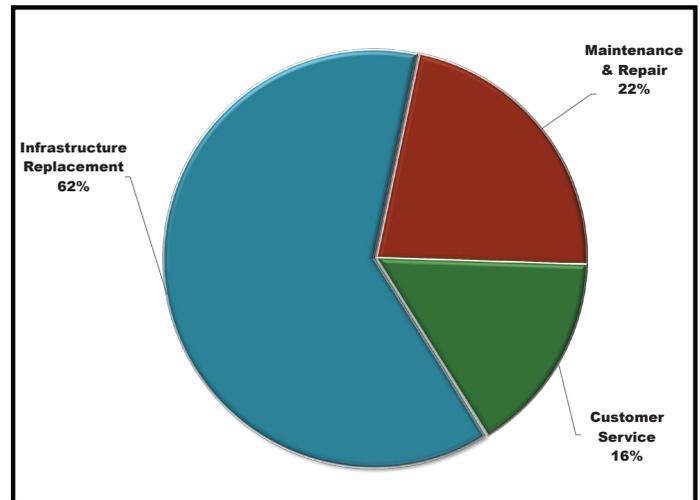


In 2021, approximately 11 percent of the revenue generated by water usage charges was utilized by Vista Irrigation District to cover operating and maintenance expenses; the remaining 89 percent was used to pay San Diego County Water Authority (Water Authority) for water purchases.

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 2021, the largest component of the service charge recovered the cost of replacing the District's aging water system infrastructure.

### 2021 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 \$39.5 million to this program, which has allowed the replacement of over 35 miles of older pipe ranging in size from four to 20 inches. Due to the timing of completion of Program projects, pipeline installation and replacement for Fiscal Year 2021 will be included in Fiscal Year 2022 figures. The Board of Directors approved another \$2.5 million for this Program as part of the budget for Fiscal Year 2022.

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 Vista Grande*



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

## 25 Years



*Lisa Soto*

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.

## 20 Years



*Brett Hodgkiss*

## 15 Years



*Mark Saltz*



*Sabrina Willis*



*Brent Reyes*



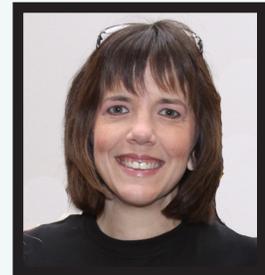
*Susie Castro*



*Dean Farris*



*Lee Hodges*



*Marlene Kelleher*

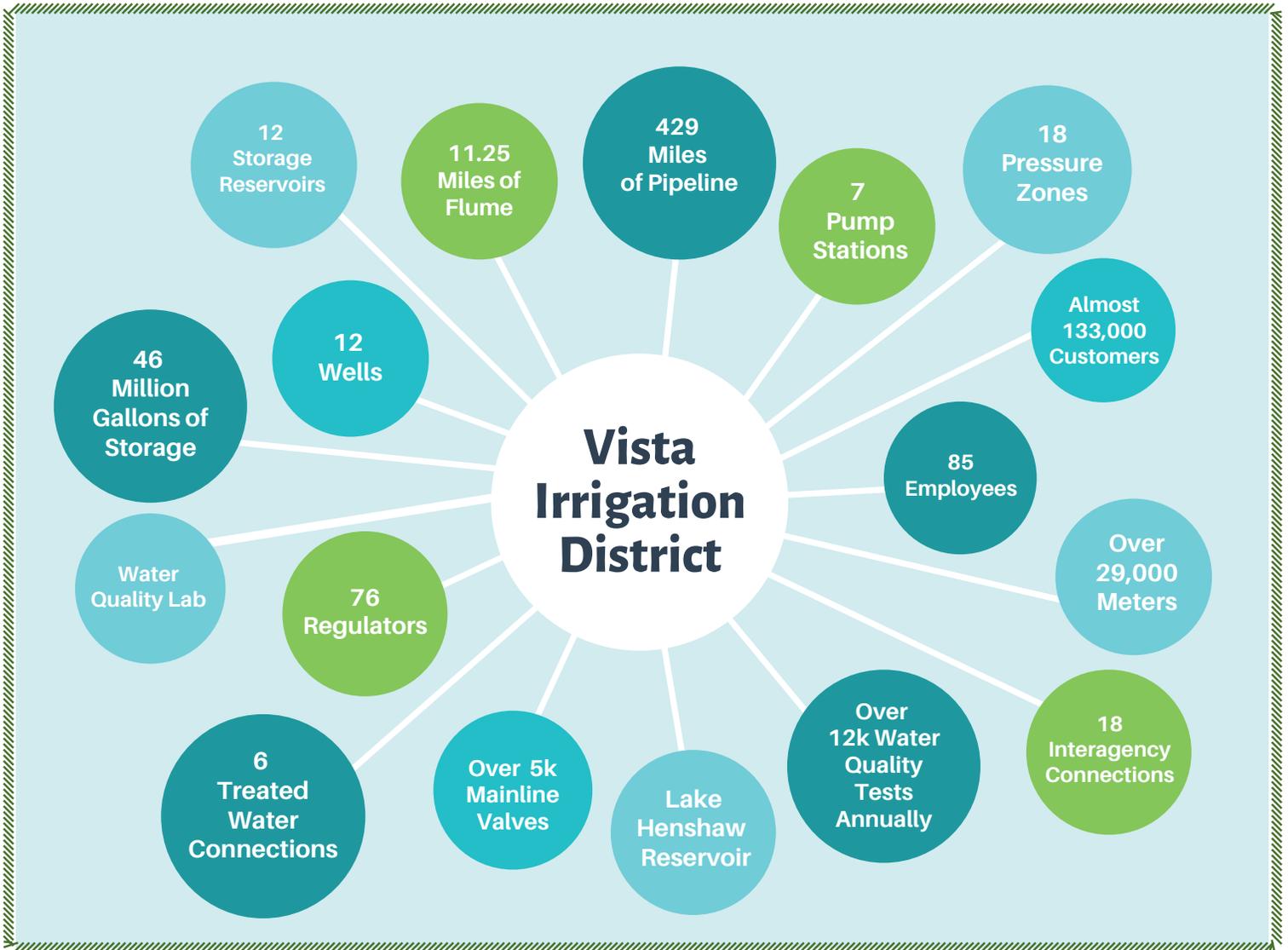
## 5 Years



*Shannon Anzelon*



*Randy Whitmann*



# District Demographics

# 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)	24,770
Commercial/Industrial	1,576
Irrigation	957
Agricultural	33
Fire Service (Fire Sprinklers)	1,281
Governmental	90
<b>Total</b>	<b>29,007</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	105 miles
14" to 24" PVC	3 miles
4" to 12" Steel	37 miles
14" to 36" Steel	25 miles
All other materials larger than 4"	2 miles
<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 2020–2021)

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>	
	Water In	Water Out
Local Water Received at Esccondido-Vista Water Treatment Plant (Henshaw Water)	1,023	
Received from San Diego Aqueduct (Purchased)	16,958	
Metered to VID users		17,323
Losses		658
<b>Total</b>	<b>17,981</b>	<b>17,981</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

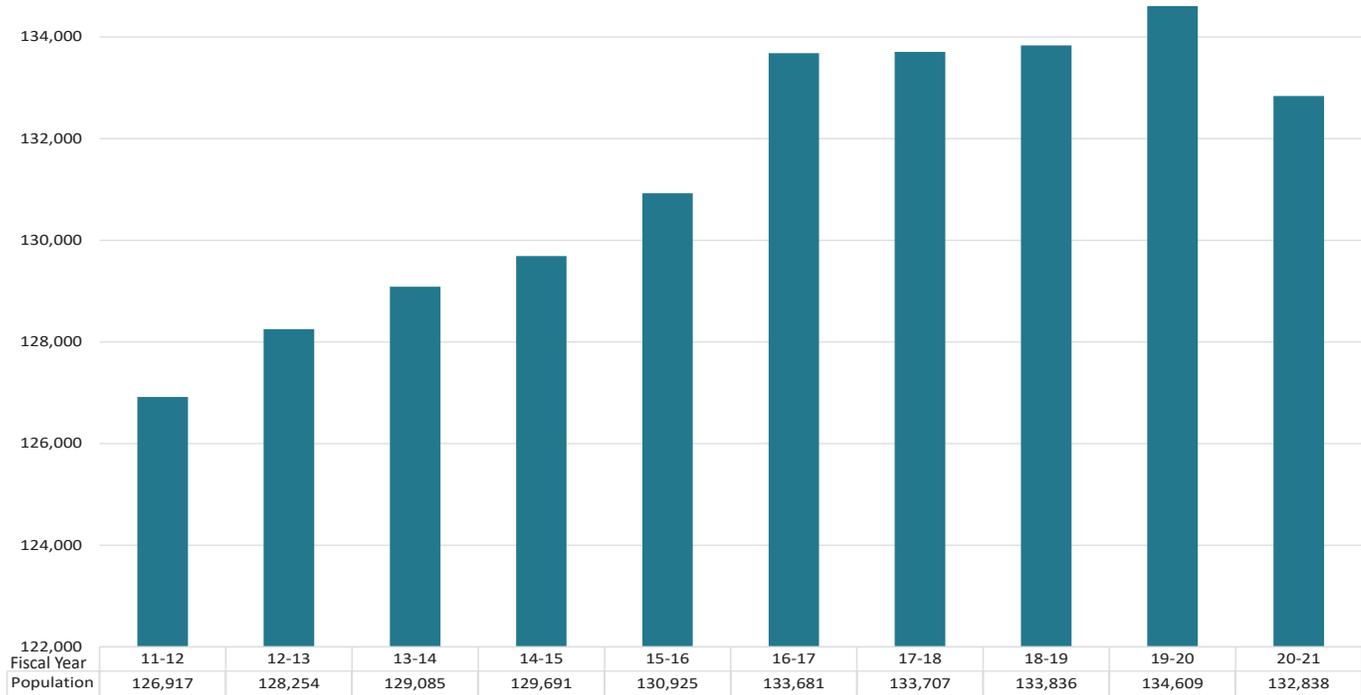
This table presents an annual accounting of various sources of inflows, such as run-off and pumped water from the Warner Basin aquifer, and outflows of water from the lake.

	<u>Acre Feet</u>
Total Storage July 1, 2020	8,681
Plus Pumped Water	4,049
Plus (minus) other gains/(losses)	1,212
Less Release	(4,380)
Less Evaporation	(5,374)
Less Spill	0
<b>Total Storage July 1, 2021</b>	<b>4,188</b>

# DISTRICT DEMOGRAPHICS

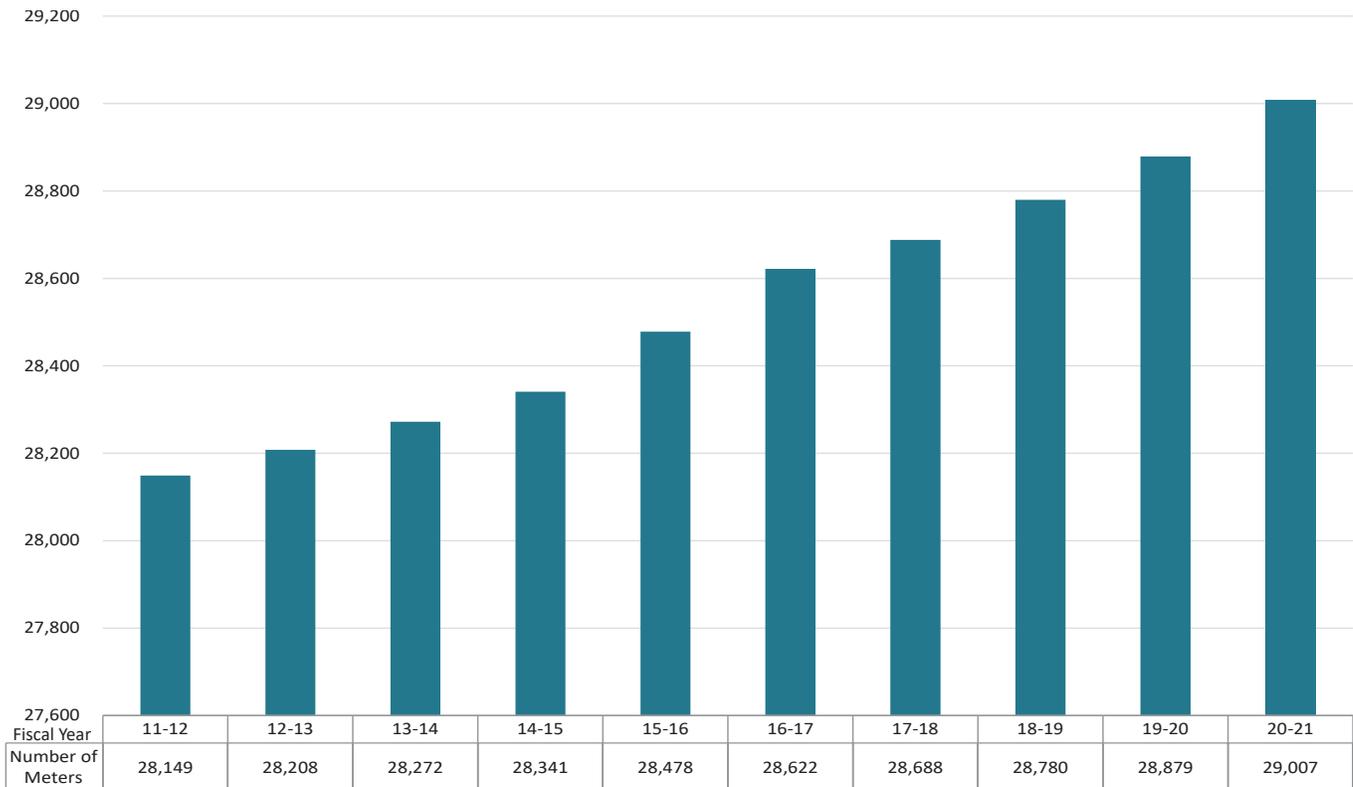
## Population

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

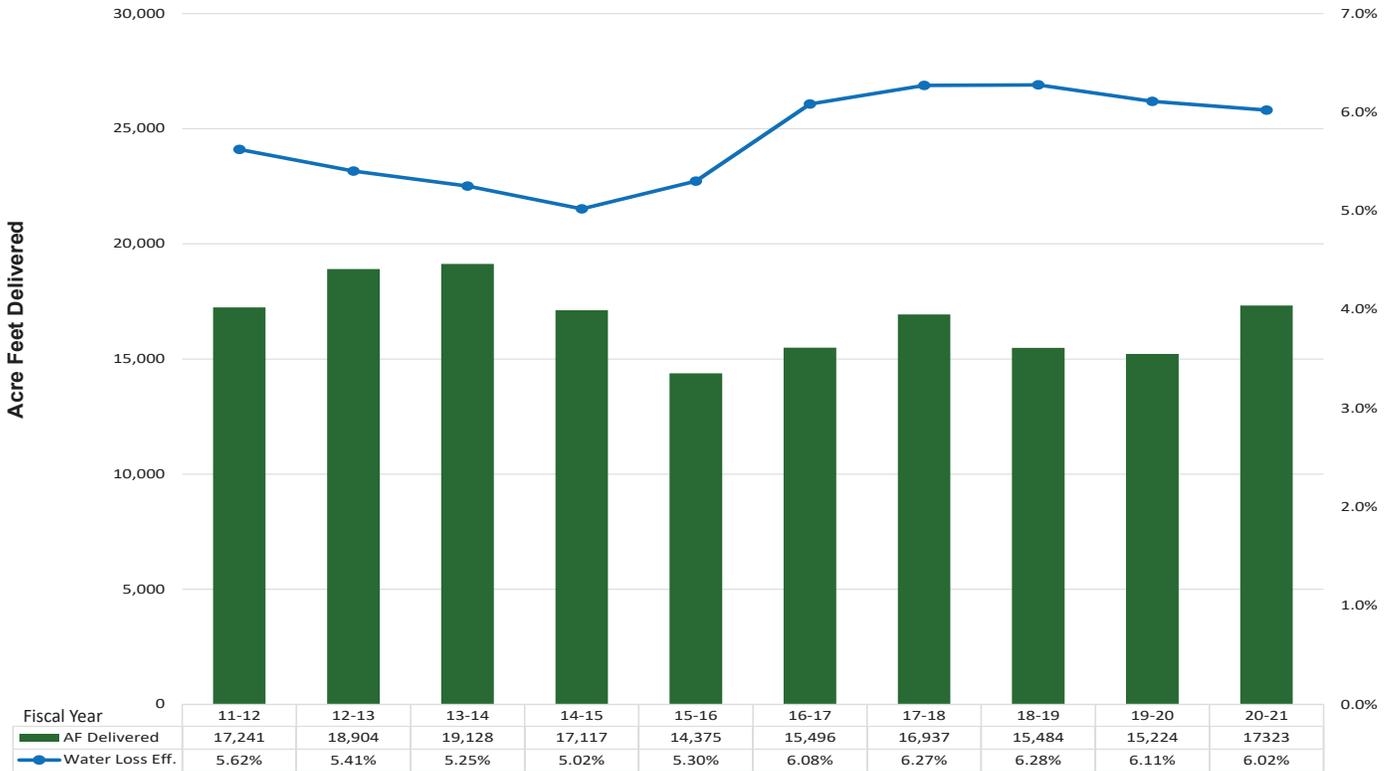
This graph shows the increase in the number of meters in use over a ten year period.



# DISTRICT DEMOGRAPHICS

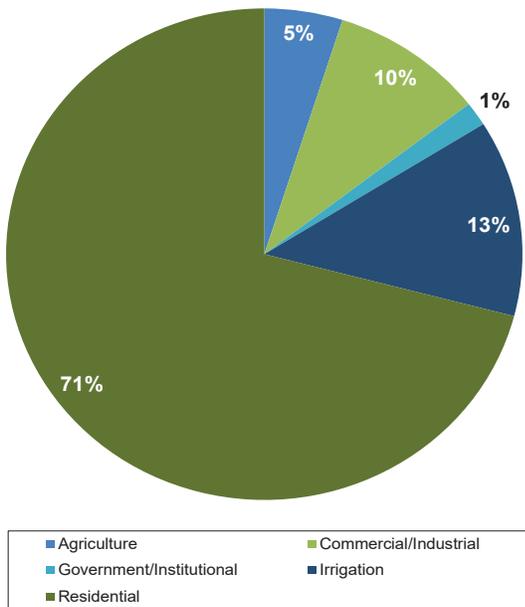
## Distribution Efficiency

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.



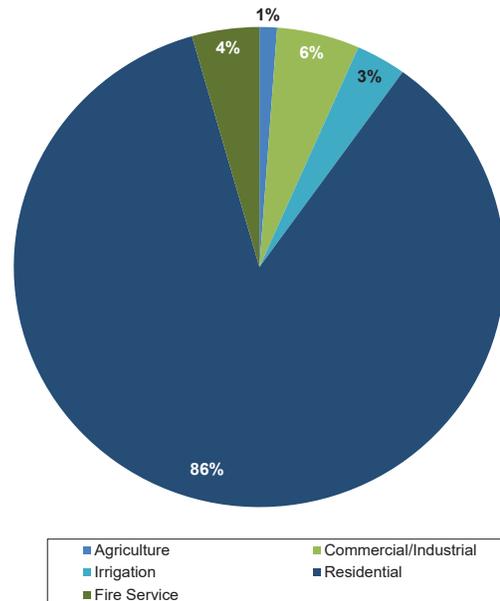
## Water Delivered by Use Type

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 29,007 meters are used to supply water to single-family residences.

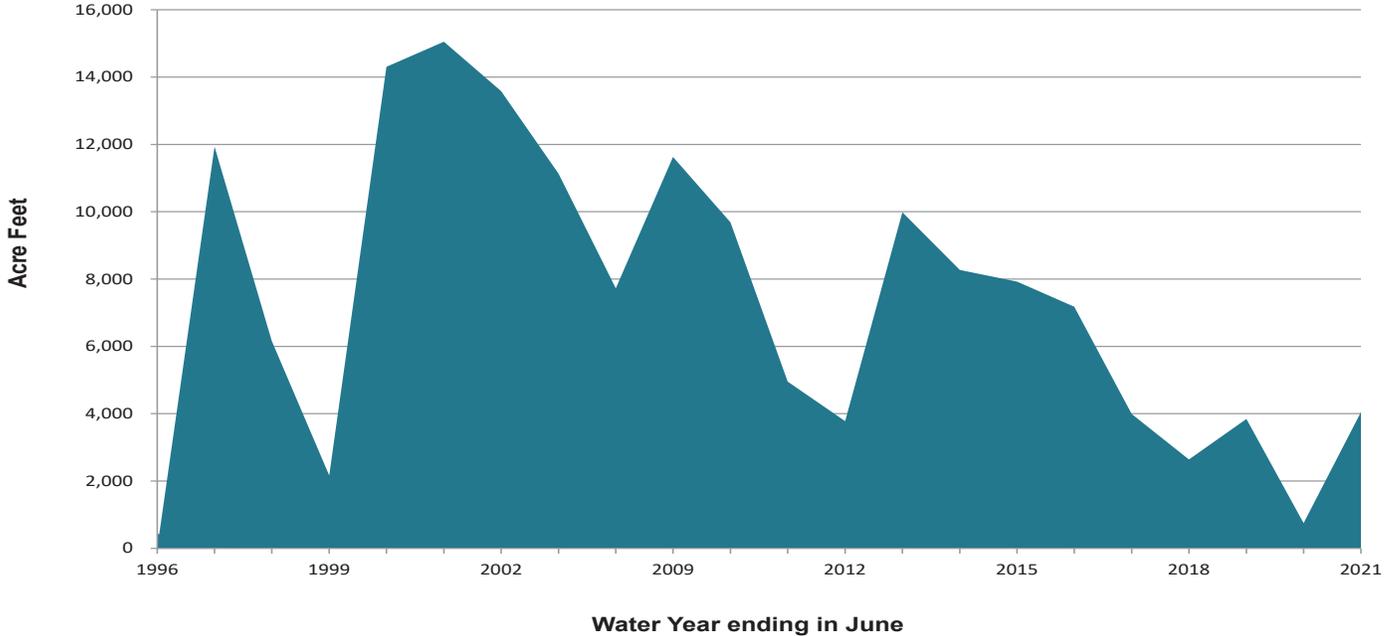


Note: Government/Institutional meters in use less than one percent; not shown in chart.

# DISTRICT DEMOGRAPHICS

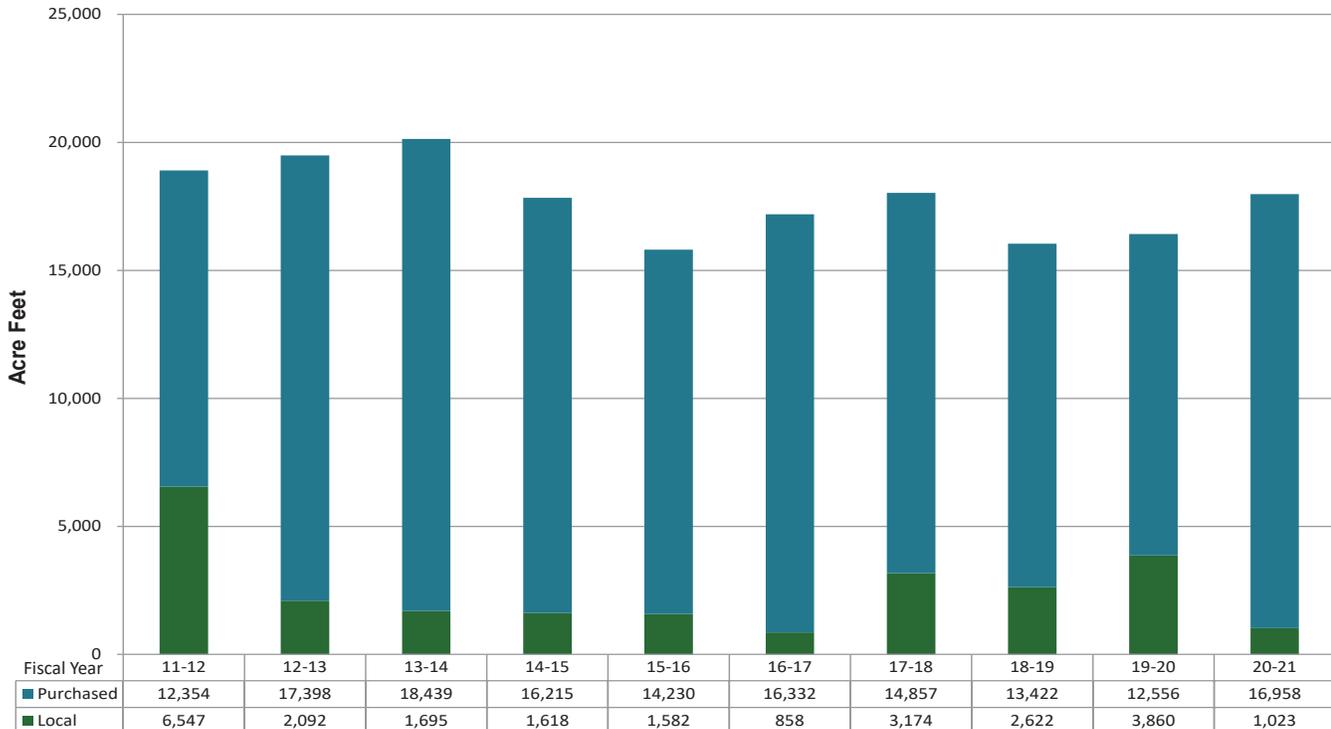
## Water Pumped from Warner Basin (Yearly Totals)

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 1996 to 2021. Typically, pumped water is more heavily relied on during extended dry periods.



## Water Received

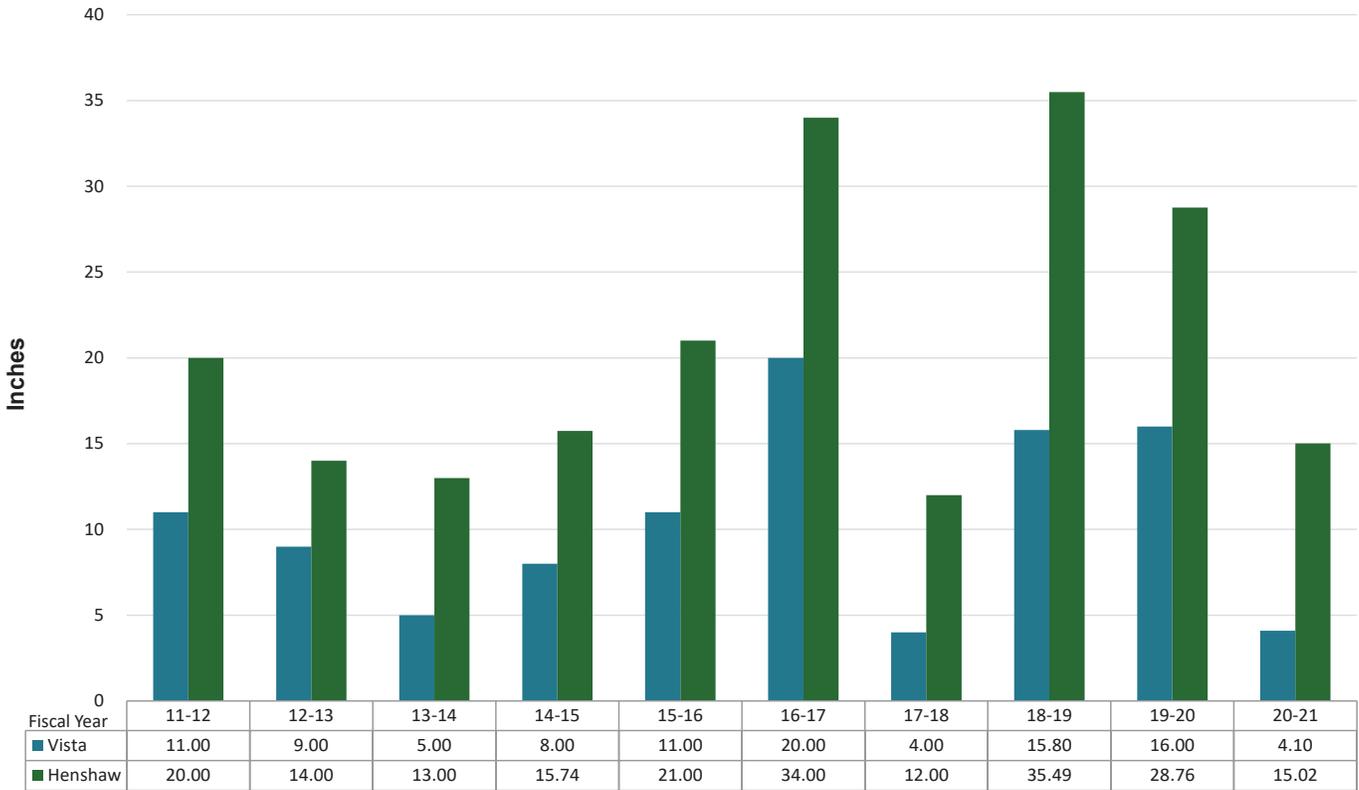
The District receives water from Lake Henshaw (local) and from Northern California, the Colorado River and desalinated sea water (purchased). This graph shows how much of each source was received in a given year.



# DISTRICT DEMOGRAPHICS

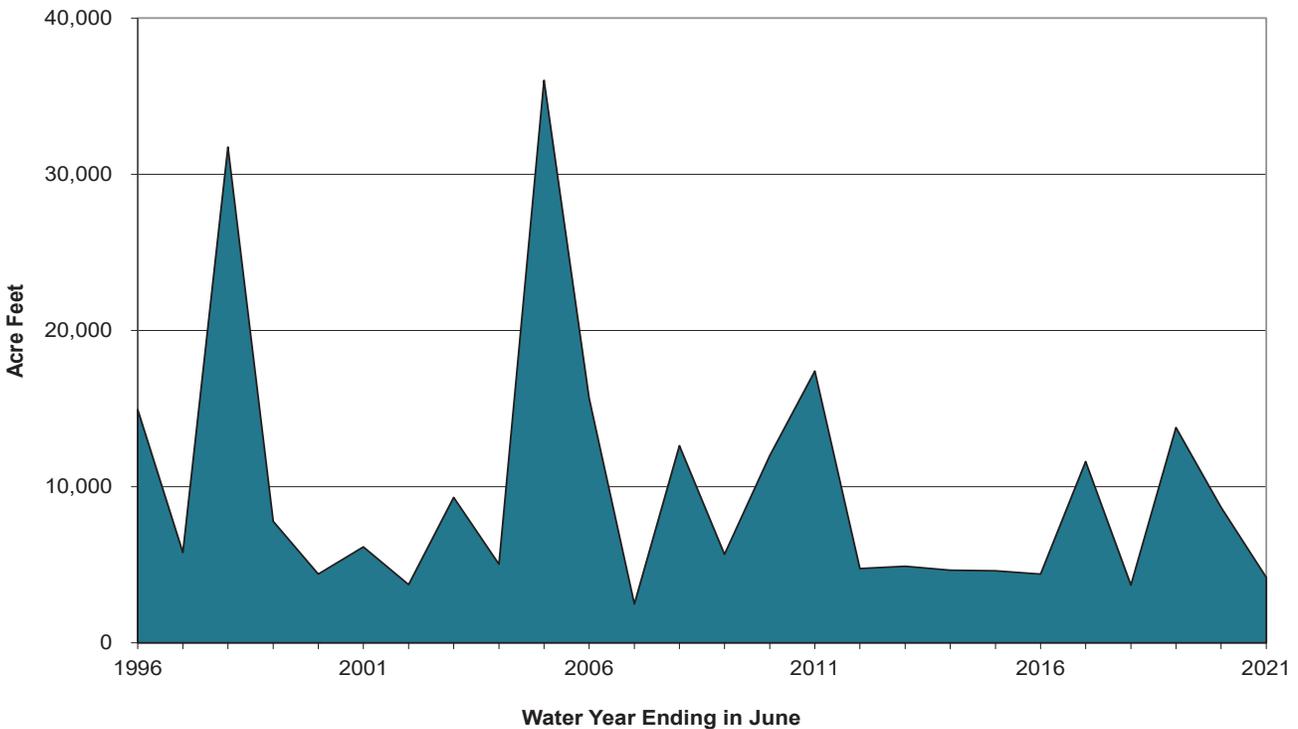
## Rainfall (July 1 - June 30)

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



## Water Stored in Lake Henshaw

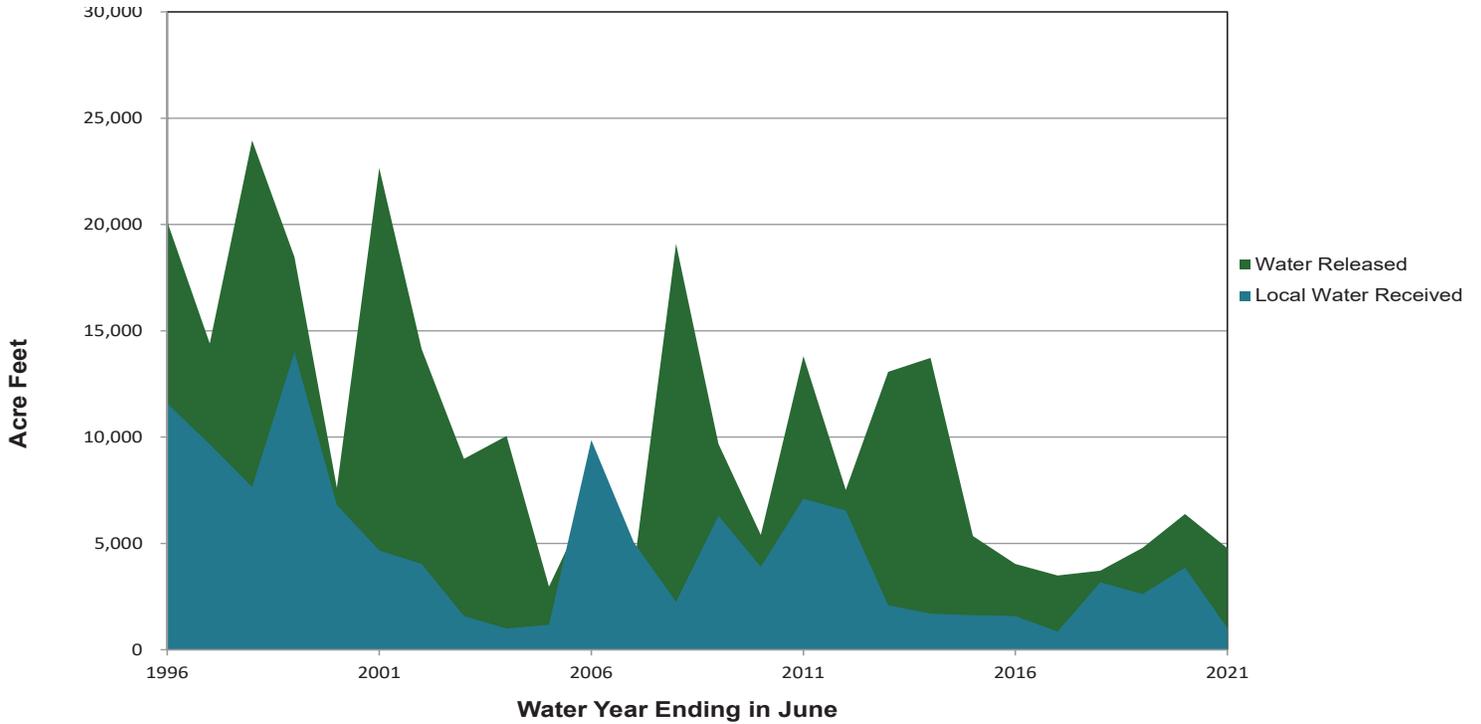
Lake Henshaw's storage capacity is 51,832 acre feet. This graph shows water stored in Lake Henshaw for the past 25 years.



# 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 FINANCIALS

# *Vista Irrigation District Financial Summary*

## *For the Years Ended June 30, 2021 and June 30, 2020*

Below is a summary of Vista Irrigation District's financial performance for the fiscal year ended June 30, 2021. 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 Comprehensive Annual Financial Report for Fiscal Years Ended June 30, 2021 and June 30, 2020, which can be found on Vista Irrigation District website at <https://www.vidwater.org/audited-comprehensive-annual-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 \$3.4 million between fiscal years 2020 and 2021 from \$130.3 to \$133.7 million, primarily due to operating revenue of \$1.4 as well as \$1.4 million in contributed capital.

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

	2021	2020	2019
Current assets	\$ 56.7	\$ 54.3	\$ 48.5
Capital assets	109.2	102.3	97.8
Total Assets	165.9	156.6	146.3
 Deferred outflows of resources	 5.9	 4.8	 5.0
Current liabilities	14.7	11.2	9.6
Noncurrent liabilities	21.0	18.6	16.2
Total Liabilities	35.7	29.8	25.8
 Deferred inflows of resources	 2.4	 1.3	 1.1
 Net Position:			
Investment in capital assets	109.2	102.3	97.8
Unrestricted	24.5	28.0	26.6
Total Net Position	\$ 133.7	\$ 130.3	\$ 124.4

# *Vista Irrigation District Financial Summary*

## *For the Years Ended June 30, 2021 and June 30, 2020*

### 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 2021, the District's operating revenues increased by 7.4% to \$54.6 million. The increase in operating revenues was primarily due to increased water sales and implementation of an annual inflationary adjustment to water rates.

The District's operating expenses increased 13.0% to \$53.2 million in fiscal year 2021 primarily due to having to purchase higher cost water to make up for the decreased availability of local water.

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

	2021	2020	2019
Current assets	\$ 56.7	\$ 54.3	\$ 48.5
Capital assets	109.2	102.3	97.8
Total Assets	165.9	156.6	146.3
 Deferred outflows of resources	 5.9	 4.8	 5.0
Current liabilities	14.7	11.2	9.6
Noncurrent liabilities	21.0	18.6	16.2
Total Liabilities	35.7	29.8	25.8
 Deferred inflows of resources	 2.4	 1.3	 1.1
 Net Position:			
Investment in capital assets	109.2	102.3	97.8
Unrestricted	24.5	28.0	26.6
Total Net Position	\$ 133.7	\$ 130.3	\$ 124.4



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