

PIPELINE



RELIABLE, RESILIENT, & READY *for the* FUTURE

Central San is building our future while celebrating 75 years of protecting public health and the environment.





CELEBRATING OUR PAST, BUILDING OUR FUTURE

When Central San was founded in 1946, we had a service area population of about 15,000 people, 16.5 miles of pre-existing pipe, and no treatment plant. There have been a few changes since then! Over the past 75 years, Central San has grown along with the communities we serve. Today, we collect and clean more than 13 billion gallons of wastewater every year from nearly 500,000 people and more than 3,000 businesses. We also maintain more than 1,500 miles of neighborhood sewer pipes to carry wastewater to our treatment plant in Martinez.

We're extremely proud of our history, but as you'll read in this issue of *Pipeline*, we're also excited about what's ahead:

RECYCLED WATER - We're replacing aging recycled water production and storage facilities to ensure the continued reliability of our recycled water system. These investments will help conserve precious local drinking water supplies and support expanded recycled water capacity for the future. (page 4)

LARGE PIPES - We're using state-of-the-art technology to assess the condition of our largest sewers, called interceptors. These assessments will help us plan for any needed repairs on the horizon and ensure we're getting the maximum value out of every inch of pipe. (page 9)

STUDENT EDUCATION - Through innovative, award-winning school education programs, we're empowering our customers of tomorrow to help prevent pollution and protect our environment. This year, we provided engaging, hands-on science activities for thousands of local students, despite the challenges of distance learning. (page 14)

Many things have changed since 1946, but one thing that hasn't is our unwavering commitment to protecting public health and the environment. Although no one can know for certain what the next 75 years will bring, we're working hard to ensure our wastewater system is reliable, resilient, and ready for the future.

Roger S. Bailey,
General Manager



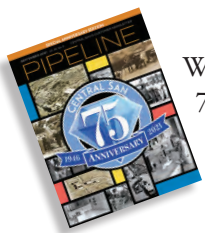


HELP US CELEBRATE 75 YEARS OF CENTRAL SAN!

Central San has been protecting public health and the environment since 1946. We're proud of our 75 years of service to our community, but we couldn't do what we do without you! Please join us as we celebrate all year long.

VISIT OUR VIRTUAL EVENT AT:
centralsan.org/75th

- ▶ Interactive 360-degree treatment plant tour
- ▶ Kids' activities and hands-on science experiments
- ▶ Behind-the-scenes videos, photos, and interviews
- ▶ Tool and equipment demonstrations
- ▶ Historical photos
- ▶ Pollution prevention resources for your home or business
- ▶ And much more



Watch for our *Pipeline* special 75th Anniversary edition later this year!

9 THINGS TO KNOW ABOUT OUR RECYCLED WATER IMPROVEMENTS

Central San has been recycling water since the 1970s, helping to conserve precious local drinking water supplies. But now, after more than four decades of service, some of our recycled water production and storage facilities have reached the end of their useful lives. To ensure we can continue to provide recycled water now and into the future, we're upgrading or replacing several critical parts of our recycled water infrastructure.

Here are some key facts to know about our recycled water system and the improvements now under way:



1 Central San produces more than 500 million gallons of recycled water every year, using wastewater we collect from homes and businesses throughout our service area.

2 Following a rigorous cleaning and disinfection process, we distribute the recycled water via 14 miles of pipeline to commercial and institutional customers in parts of Martinez, Concord, and Pleasant Hill. This water is used for industrial processes as well as irrigation for parks, golf courses, college campuses, street medians, and more.

3 Central San is collaborating on several projects that could expand the use of recycled water in our community in the future, including providing recycled water for landscape irrigation at the future Concord Naval Weapons Station redevelopment project and for process water at local major industrial facilities.

4 We also distribute more than one million gallons of recycled water every year through our Residential Recycled Water Fill Station. (Check out the bonus fact on the next page.)

5 The improvements to our recycled water system represent one of the largest capital projects we've undertaken in the past ten years.

6 The first phase of the project includes construction of two new tanks for recycled water storage, electrical upgrades, new pumps, and rehabilitation of one of our four recycled water filter beds. We expect to complete this work by December 2022.

7 Building the new storage tanks is no small feat! The foundations required about 30 truckloads of concrete apiece. Each of the welded steel tanks measures 150 feet in diameter and will hold 3 million gallons of recycled water ready for distribution.

8 The new tanks are being constructed within our existing recycled water storage structure, which is failing due to age. As a bonus, we used soil excavated during the project to raise a critical levee, enhancing flood protection for our treatment plant.

9 The next phase of the project will include rehabilitation of our remaining three filter beds, the filter building, and additional electrical and pump upgrades. We expect to undertake these improvements within 5-10 years.





Our new storage facilities will hold 6 million gallons of recycled water ready for distribution.

BONUS FACT: LAWNS AND GARDENS LOVE OUR RECYCLED WATER!

Central San offers recycled water at no extra charge for our residential customers. This water is ideal for watering trees, flowers, and lawns, and it helps save our limited local drinking water supplies.

The Residential Recycled Water Fill Station is located behind our Household Hazardous Waste Collection Facility at 4797 Imhoff Place, Martinez. The station is open Monday through Saturday, 7 a.m. to 2 p.m. Hours may fluctuate during rainy weather, so please call ahead to confirm we're open: (925) 335-7717.

- ▶ For everyone's protection, face coverings and social distancing are required at all times while visiting the fill station.
- ▶ Before filling up for the first time, you'll need to fill out the Residential Recycled Water Fill Station Use Application/Agreement and receive a brief training on the use of recycled water. We encourage you to read and complete the form before your visit. You can download a copy at: centralsan.org/recycledwater
- ▶ Bring your own containers. They must be made specifically to hold liquids, be a minimum size of one gallon, have water-tight lids, and be secured for safe transport.
- ▶ The maximum fill per trip is 300 gallons. There is no limit on the number of trips. Keep in mind that water is heavy! Ten gallons weigh more than 80 pounds; 100 gallons weigh more than 800 pounds. When driving vehicles with such heavy loads, expect less stability and be sure to allow for extra stopping distance.
- ▶ Finally, please note that recycled water should not be consumed or allowed to run off into storm drains.

For more information, visit centralsan.org/recycledwater or call (925) 335-7717.



HOW WASTEWATER IS HELPING IN THE FIGHT AGAINST COVID

WHAT IS WASTEWATER-BASED EPIDEMIOLOGY?

Wastewater-based epidemiology studies the water that comes down the drain to get a snapshot of the health of a population. Around the world, it's proved to be a valuable tool for monitoring community health, from polio outbreaks to opioid usage. Scientists are now exploring how to effectively use wastewater-based epidemiology to help combat COVID-19 and future pandemics.

WANT TO LEARN MORE ABOUT WASTEWATER-BASED EPIDEMIOLOGY?

Visit our website at: centralsan.org/WBE



Central San is participating in a new regional wastewater monitoring project to help track and combat SARS-CoV-2, the virus that causes COVID-19. Since November, we've been collecting wastewater samples three times per week at our main treatment plant inflow to look for the virus.

The project is already yielding promising results: So far, the levels of SARS-CoV-2 RNA—the genetic material of the virus—found in our wastewater correlate with infection rates in the county. This suggests wastewater monitoring could provide an efficient early warning system for future outbreaks.

“It’s encouraging to see the correlations between the trend in cases and the trend in wastewater data,” says Central San Associate Engineer Amanda Cauble, who has been helping to spearhead our COVID research efforts. The monitoring and research are part of a Bay Area-wide collaboration led by the University of California, Berkeley (UCB), which has launched a laboratory to provide rapid detection of the virus RNA in wastewater. UCB also is coordinating with local public health departments, including Contra Costa Health Services, to identify what data would be most helpful in responding to the virus.

In addition to ongoing sampling at our main plant inflow, we collected weekly samples over a four-month period at one of our metering stations where wastewater from the Concord area enters our sewer system. These samples helped researchers investigate how monitoring further “upstream” within our system could provide a more focused picture of virus levels in one sub-region.

Along with the wastewater samples, Central San is supplying metadata about when, where, and how each sample was collected, as well as flow rates, water quality



Continued on next page

NEIGHBORHOOD UPGRADES

Continued from previous page

data, population size, and other information. All of this information helps UCB and the health departments correlate our wastewater data with results from other wastewater utilities, as well as with clinical testing data. “It’s a big team effort, both within and external to Central San,” says Amanda.

Central San is continuing to participate in other COVID research efforts, as well. Since last summer, we’ve been collecting samples at our treatment plant as part of a Stanford University study looking at how concentrations of the virus RNA vary throughout the treatment process. And this January, we began collecting samples as part of a nationwide study funded by the U.S. Department of Health and Human Services and the Centers for Disease Control. The project aims to test up to 30% of the country’s wastewater and monitor infection rates for 100 million people.

“We’re eager to help where we can and support the emerging science around SARS-CoV-2 RNA concentrations and wastewater,” says Central San Senior Chemist Blake Brown. Beyond the fight against COVID, the current research also lays the foundation for responding to possible future pandemics. “We’re learning a lot about wastewater-based epidemiology as a tool,” she adds, “and that will make it easier to mobilize next time.”

We have a number of projects underway to replace aging neighborhood sewer pipes and improve the reliability of our system (estimated completion dates in parentheses).

SOUTH ORINDA, PHASE 8 will replace approximately 2.0 miles of sewers in the Lost Valley neighborhood. (January 2022)

WALNUT CREEK, PHASE 15 will replace approximately 1.75 miles of sewers primarily in the Walnut Knolls, Blackwood, and San Miguel neighborhoods of Walnut Creek and along Walnut Street in Lafayette. (December 2021)

MARTINEZ, PHASE 7 will replace approximately 1.1 miles of sewers primarily along Alhambra Avenue and Canyon Way in Martinez and Bates Avenue in Concord. (December 2021)

PUMP STATION UPGRADES PROJECT, PHASE 1 will renovate or replace major mechanical, electrical, and controls equipment at three pump stations in Orinda and Moraga. (December 2021)

NORTH ORINDA, PHASE 8 will replace approximately 2.0 miles of sewers primarily in Camino Sobrante, Altarinda Road, and Bien Venida, as well as various locations in Orinda, north of Interstate 24. (December 2021)

To learn more about these or other construction projects, please contact Community Affairs Representative Chris Carpenter at (925) 229-7200 or ccarp@centralsan.org, or visit: centralsan.org/construction

MORE THAN 40% OF OUR SEWER PIPES ARE 50 YEARS OR OLDER. Some even pre-date the creation of Central San in 1946! To ensure dependable service, we’re continually replacing pipes that have reached the end of their useful lives.



BETTER LABELING ON THE WAY FOR WIPES?

Like “jumbo shrimp” and “working vacation,” “flushable wipes” are the oxymoron of the plumbing world. With unclear and often contradictory labeling on the packages, it’s no wonder consumers are confused about how to safely dispose of these products. Fortunately, better labeling for wipes may soon be on the way: California is expected to pass new legislation later this summer that sets clear standards for wipes labeling.



TOP: An example of the new labeling for wipes

NO MATTER WHAT THE LABELS MAY SAY, MOST WIPES ARE NOT FLUSHABLE.

Please help protect our pipes and the environment by disposing of all wipes where they belong: in the trash.



Photos taken before COVID precautions were necessary.

Because most wipes are made of plastic, they don’t break down in water like toilet paper does. They remain intact as they pass through our sewer system, causing costly clogs, overflows, and equipment malfunctions. Beyond harming our sewer system, flushed wipes can harm the environment by shedding small fibers that contribute to microplastics pollution.

How big a problem are wipes? According to a study by the National Association of Clean Water Agencies, every year wipes cost US clean water utilities about \$441 million in added operating expenses. Like other sanitary districts across the country, Central San has had to respond to wipes-related problems in numerous ways, including increasing maintenance schedules and installing additional expensive equipment—all funded by your rate dollars. That’s why we’ve long advocated for better labeling and performance standards for wipes.

California’s new bill (AB 818 Bloom) offers a simple, commonsense solution by requiring clear “Do Not Flush” labeling on all non-flushable wipes. This would be a win for consumers, a win for our pipes, and a win for the environment, too. Even more exciting, California is leading the way for similar efforts across the country. Illinois and Massachusetts have each introduced bills modeled on AB 818, and Minnesota and Oregon are working on new wipes bills, too.

It is very expensive (and yucky!) to deal with wipes that clog our machinery and pipes. Please throw all wipes in the trash, not the toilet.



USING STATE-OF-THE-ART TECHNOLOGY TO ASSESS OUR LARGEST SEWERS

Central San's large diameter pipelines—or *interceptors*—play an essential role in carrying your wastewater to our treatment plant. Measuring up to 8.5 feet in diameter, these concrete pipes collect wastewater from numerous smaller neighborhood sewer lines that feed into them. Our interceptors are the workhorses of our system, but they are aging: Almost half are more than 50 years old. To help us better plan for needed repairs and replacements, this past fall we launched a program using state-of-the-art technology to assess the condition of our largest sewers.

Back in the 1970s, Central San pioneered the use of closed-circuit TV to visually assess the condition of our pipes. Now, we're pioneering new multi-sensor technology—including lidar and 3D underground mapping—to obtain more precise information about the condition and location of our interceptors. These sophisticated sensors travel through the pipelines on robotic platforms, collecting data as they go. Lidar uses lasers to map the inside diameter of the pipe. These cross-sectional measurements can help us spot deviations in the diameter of the pipe—a sign that the pipe may have corroded or thinned in that area. 3D mapping provides accurate information on a pipeline's horizontal and vertical location, which helps us design future pipe renovations.

The goal of the high-tech inspections is to help us optimize our pipeline replacements. If we replace pipes too soon, we aren't getting the maximum use out of them—or the maximum value for your rate dollars. But if we wait too long, the risk of pipe failures increases. You can think of it as finding the “Goldilocks moment” for replacing aging pipes: not too soon, not too late, but just right.

We plan to test the multi-sensor technology at several locations, including a section of 39-inch diameter pipe that runs under Highway 4 near our treatment plant in Martinez. Then, depending on the initial results, we will continue scanning up to 5 more miles of pipeline this year.

Central San's collection system includes more than 1,500 miles of underground pipelines. About 75 miles are classed as large diameter pipelines, measuring more than two feet in diameter.

Our large diameter pipelines are valuable assets: Though they comprise only about 5% of our pipes, they represent more than one-third of the value of our collection system.

ORDERING A MEAL KIT? AVOID THIS PIPE-CLOGGING MISTAKE

The popularity of meal kit services has surged over the past year as many of us have started cooking more at home. But while healthy home cooking may be good for us, one common meal kit item can be bad for our pipes.

Meal kits usually arrive with **ice packs** to keep food fresh. Many of these packs contain gels that can clog household pipes (as well as

Central San sewers) if poured down the drain or flushed down the toilet. These substances may be non-toxic, but that doesn't mean they're safe for your plumbing! Before disposing of an ice pack, check whether it is just frozen water or something else. If it contains anything other than water, it belongs in the trash—not down the drain.

CONSUMERS HAVE THE POWER TO MAKE A DIFFERENCE. If your meal kit service is not focused on reducing waste, recycling, and avoiding single-use plastics, ask them to start, or consider spending your dollars elsewhere.

Many ice packs can be partially recycled. First let the ice pack thaw, then cut it open and squeeze the goo into the garbage. Rinse and dry the empty pack and take it to your nearest plastic bag drop-off site. Even better: Reuse your ice packs. Pop them in the freezer and pull them out to chill food and drinks at your next barbecue or camping trip. Or, you could try offering them to neighbors on Nextdoor.

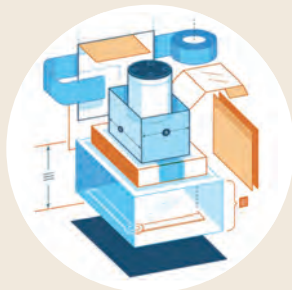


MORE MEAL KIT TIPS

When shopping for a meal kit service, ask about packaging and what steps the company is taking to minimize waste. Some services include a pick-up or mail back feature for used packaging.

Cardboard shipping boxes usually can be easily recycled, as long as they are clean and dry. Plastic clamshells, baggies, jars, and other food packaging also may be recyclable. Check with your meal kit company or your solid waste/recycling service provider for proper disposal.

Food scraps should be composted or tossed in the trash. Fats, oils, and grease (FOG) are a major cause of sewer spills and back-ups. FOG can lurk in meat scraps, dairy products, soups, sauces, baked goods, and more, so it's safest to keep all food waste out of your sink drain and garbage disposal.





HOUSEHOLD HAZARDOUS WASTE: OUR CUSTOMERS ARE BRINGING IT!

Despite all the challenges of the past year, you—our customers—continue to demonstrate your commitment to protecting the environment. Over the past 12 months, our customers have been bringing record-setting quantities of waste to our Household Hazardous Waste Collection Facility.

In fact, as we go to press, we're on pace to collect 2.6 million pounds of hazardous waste this fiscal year. If we reach that milestone, it will be the largest single-year total in the facility's 24-year history!

Every pound of waste brought to our collection facility helps keep pollutants out of sewers, storm drains, and landfills. On top of that, over this past year we were able to recycle and beneficially use about 80% of the materials we collected, while safely disposing of the rest. So keep bringing it, and we'll keep taking care of it for you! Thank you for helping keep our community clean, healthy, and safe.

HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY

4797 Imhoff Place,
Martinez, CA 94553
1-800-646-1431

RESIDENTS:
Monday–Saturday,
7 a.m. - 2 p.m.
(Reuse Room closed indefinitely)

BUSINESSES:
Monday–Saturday, by appointment

HOLIDAY CLOSURES:
July 5; September 6;
November 11

Household Hazardous Waste Collection Facility & Residential Recycled Water Fill Station

ELIGIBLE COMMUNITIES
Alamo, Blackhawk, Clayton, Clyde, Concord, Danville, Lafayette, Martinez, Moraga, Orinda, Pacheco, Pleasant Hill, San Ramon, Walnut Creek, and unincorporated Central County areas.

- From Hwy. 4 take the Solano Way exit.
- From I-680 take Hwy. 4 East to Solano Way exit.



Has your spring cleaning unearthed old paint, dead batteries, used oil, unwanted home and garden products, and more? We're here to help! Bring us your household hazardous waste, and we'll take care of the rest.

We work hard to ensure your visit to our collection facility is safe, simple, and smooth. For the latest updates and safety guidelines, please check our website or call our hotline:
centralsan.org/hhw
or (800) 646-1431



UPDATE: NEW BOARD DIVISION BOUNDARIES AWAIT CENSUS RESULTS

Central San is continuing the transition from at-large to by-area elections for our Board of Directors. However, the process is currently in a holding pattern as we await the results of the 2020 Census.

Under the former at-large election system, all five Board members were chosen by voters from our entire service area. Under area-based elections, Central San will be divided into five separate election areas—called “divisions”—and voters residing in each area will select one representative to serve on the Board. As we reported in our fall *Pipeline*, the Board decided to change the election system to avoid potentially costly litigation. The new boundaries will be in effect starting with the November 2022 Board elections.

This past fall, we held a series of five public hearings to set preliminary election area boundaries to meet legal requirements. Once we receive the results of the 2020 Census, we’ll be holding additional hearings to adjust the boundaries to their final form. Although the U.S. Census Bureau originally planned to deliver population data to the states by March 2021, the delivery has been delayed until late September due to the pandemic.

In sum, we now anticipate holding the second round of public hearings this coming fall. *Please plan to join us then to help ensure the best representation for all members of our community!*

LET US KNOW IF YOU SEE (OR SMELL) A PROBLEM WITH OUR SEWER SYSTEM

LET US KNOW IF YOU SEE AN OVERFLOW!

Here’s an example of what to watch for. (Photo taken at Central San’s overflow simulator training facility.)

Central San maintains more than 1,500 miles of pipeline across our 146-square-mile service area. We work hard to keep our sewer system in tip-top shape, but we need your help! Although we think of our employees as superstars, they cannot be everywhere at once. We also depend upon our customers’ eyes, ears, and noses to alert us to problems that need to be fixed. Please let us know if you observe any of these issues:

OVERFLOWS: Central San has one of the best reliability records in California. But no matter what we do, we can never totally eliminate the possibility of an overflow. If you see, smell, or suspect a sewage overflow or spill, please call us immediately at (925) 933-0990. We will dispatch a crew to investigate and take appropriate action as quickly as possible.

ODORS: We do our best to control odors throughout the treatment process, but, yes, wastewater does have odors. You can report bothersome odors from our treatment plant or sewer system to our Odor Hotline at (925) 335-7703.

TROUBLESOME MAINTENANCE HOLES: Occasionally, the covers on our maintenance holes (or “manholes”) can create tripping hazards, noise, or other problems. Over time, with years of cars traveling over them, they might sit unevenly or rattle loudly when vehicles pass over. If you notice a maintenance hole cover in need of repair or adjustment, call us at (925) 933-0990.



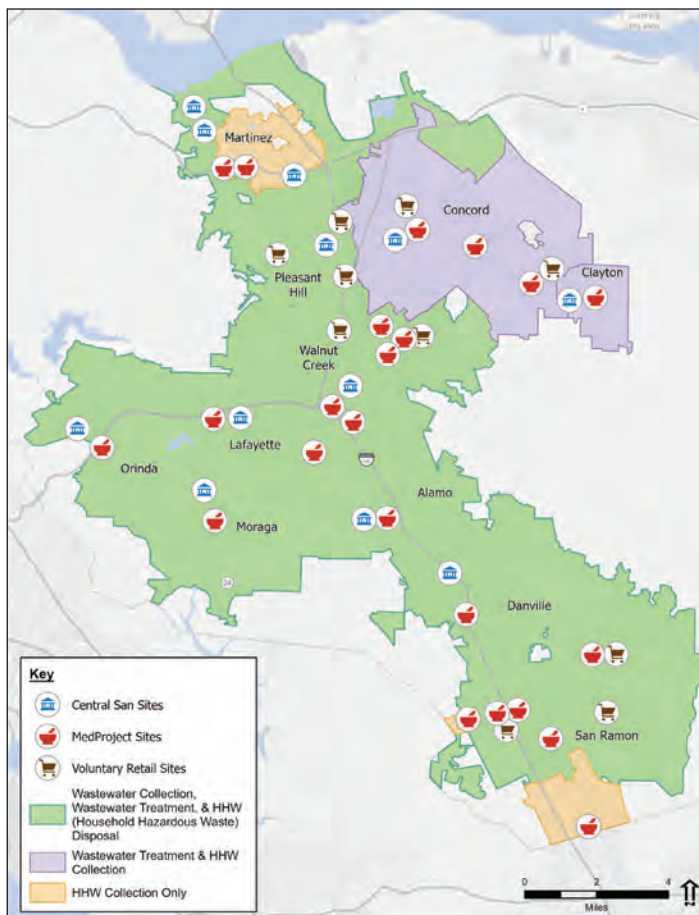


UNWANTED MEDICATIONS? THERE'S A DROP-OFF SPOT FOR THAT

Safely disposing of your expired or unwanted medications has never been easier. With several different take-back programs and more than 45 collection sites available in Central San's service area, finding one near you should be a snap.

Since its launch in 2009, Central San's pharmaceutical disposal program has collected more than 145,000 pounds of unwanted and expired medications for safe disposal.

However, one place you DON'T want to dispose of drugs is down the drain. Pharmaceuticals that enter our sewer system can make their way into our local waterways, where they can harm fish and other wildlife. Proper disposal helps protect the environment, as well as prevent accidental poisonings and drug abuse.



- ▶ Central San sponsors 12 drop-off sites in partnership with the sheriff's department and local police departments. Some locations may have limited access due to COVID-19 safety protocols. Fortunately, if you can't make it to one of our drop-off sites, there are now many other options available.
- ▶ Community drop-off kiosks are available through MED-Project at Kaiser and CVS pharmacies, including more than 20 locations in central Contra Costa County. MED-Project also offers a mail-back option for those who can't get to a collection site on their own. Learn more at: med-project.org
- ▶ Some retailers, including Safeway and Walgreens, also accept unwanted medications at select locations. Check with your local pharmacy.

◀ *This map shows that there are many places to drop off your unused medications. To find a location near you, go to centralsan.org/pharmaceuticals*

TOILET PAPER AND WI-FI: TEACHING TOMORROW'S LEADERS—VIRTUALLY

ACTIVITIES & DIGITAL WORKBOOKS

What can you learn from an empty food jar, some water, and a bit of toilet paper? Plenty! Explore our digital workbooks and hands-on science activities at: centralsan.org/distance-learning

TEACHERS: Want to learn more about our in-person and virtual classroom offerings? Visit centralsan.org/learn or contact Ben Lavender at blavender@centralsan.org or (925) 768-2857.



Central San's education programs are designed to bring the work of wastewater treatment directly to our youngest customers. However, our classroom visitation model was tested this past year when local schools moved to distance learning. To continue supporting schools under these unprecedented circumstances required a whole new level of creativity and resourcefulness.

To meet the challenge, we created a variety of innovative learning opportunities, from virtual tours to hands-on science activities using common household supplies. By designing engaging science around materials almost anyone would have on hand, we ensured the lessons would be accessible to students and families across our service area.

Our partners also turned to outside-the-box solutions to support remote learning. The Lafayette School District created a distance learning schedule that supported all subjects—including hands-on science—by combining grade-level classrooms from across their four

elementary schools: Lafayette, Burton Valley, Springhill, and Happy Valley. The different grade-level science classes of about 300 students each were taught by Lafayette's four science specialists.

This creative scheduling provided a synergistic opportunity and at least one silver lining to distance learning: *By working with the science specialist teachers over the course of the school year, Central San was able to teach every elementary student across the entire Lafayette School District—all 2,094 of them.*

Central San's distance learning lessons are designed to be hands-on, directly connected to students' lives, and draw from things students see and experience every day. Our goal, as always, is to help students of all ages understand how our actions at home (something we are all more keenly aware of these days) are connected to consequences in our local environment. Lafayette students, teachers, and parents—who were often seated right alongside their children for the remote lessons—agree:

Thank you for such an engaging field trip this morning! I think the students really enjoyed making a soupy mess and will think a little harder before they pour something down the sink!

- 4th grade teacher

Just wanted to say awesome class this morning. It was a nice change for the class. [My son] enjoyed the presentation and being able to actually do the project as well. He is now making sure we flush only TP down the drain.

- 3rd grade parent

Thank you for making the lesson about flushing toilets. Toilet paper breaks up very small. Regular paper breaks up big and can clog the pipes!

- 2nd grade student

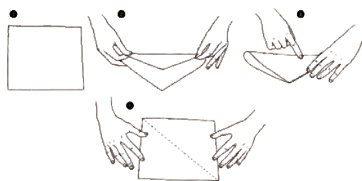
We know the youngest students of today will become the leaders and environmental stewards of tomorrow. Over the last 75 years, Central San has been part of the ever-changing fabric of central Contra Costa County. We are committed to being a part of that fabric for the next 75 years, whatever they may bring.

 <p>TOOT</p>	<p>1</p> <p>Did you know Central San uses ultraviolet light to clean wastewater?</p>	<p>2</p> <p>Did you know microscopic "bugs" are used to clean wastewater?</p>	 <p>SHELLY</p>
<p>8</p> <p>Did you know Central San cleans more than 13 billion gallons of wastewater every year?</p>	<p>TOGETHER, WE CAN PROTECT PIPES!</p>  <p>CENTRAL SAN PIPE PROTECTORS SQUAD</p>		<p>3</p> <p>Did you know Central San's pipes laid end-to-end could reach all the way to Kansas City, Missouri?</p>
<p>7</p> <p>Did you know Central San scientists test samples of our wastewater in our laboratory every day?</p>			<p>4</p> <p>Did you know wipes belong in the trash and not flushed down pipes?</p>
 <p>PIPER</p>	<p>6</p> <p>Did you know toilet paper is engineered to break apart in water?</p>	<p>5</p> <p>Did you know wastewater can be recycled to water your garden?</p>	 <p>KELVIN</p>

How to Make

Step 1: Cut out the square along the pink dashed lines. Flip the square over so the characters face down and the plain side faces you.

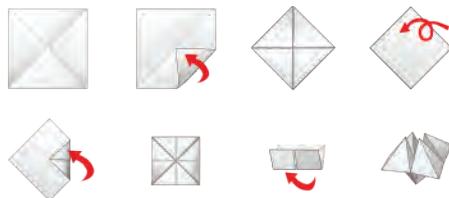
Step 2: Fold one corner of the paper diagonally to the other corner so Piper meets Shelly. Unfold. Repeat with the other corner.



Step 3: Fold each corner into the middle along the pink fold line. Flip the cootie catcher over so you can see the whole squad!

Step 4: Fold each corner into the center diagonally along the green line.

Step 5: Finally, fold the cootie catcher in half. Unfold and repeat with the other side.



Final form: Wiggle your fingers under the character wings to shape the cootie catcher!

How to Play

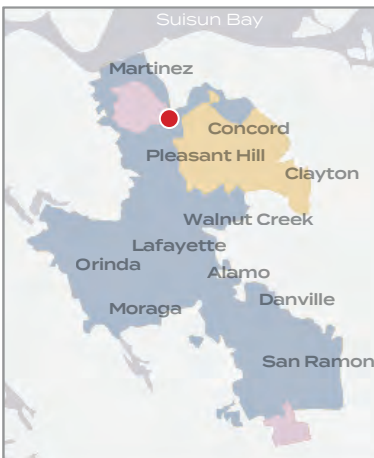
Ask a partner to choose a character. Moving the flaps in and out and side to side in time with the letters, spell out the word they have chosen. Open the cootie catcher to reveal the numbers and ask them to pick one. Count out the number they have chosen. Ask them to pick another number. Open the flap under the number and read the did-you-know question underneath!



WE ARE HERE TO HELP

General Information	(925) 228-9500 or CentralSan.org
Sewer Overflows	(925) 933-0990
Recycled Water Fill Station InfoLine	(925) 335-7717
Treatment Plant InfoLine (Report Odors)	(925) 335-7703
Household Hazardous Waste InfoLine	(800) 646-1431 or CentralSan.org/HHW
Sewer connection permits/Permit Counter	(925) 229-7371
To report illegal discharges into sewer system	(925) 229-7288 (during business hours); (925) 229-7214 (after hours)
Environmental Compliance	(925) 229-7288
Employment Opportunities	CentralSan.org/Careers
Student Education Programs	(925) 335-7723 or CentralSan.org/Learn
Community Information Line	(925) 335-7702

Board meetings are open to the public and are usually held on the 1st and 3rd Thursday of each month at 1:30 p.m. in the Central San Board Room, 5019 Imhoff Place, Martinez. Meetings can be live-streamed at centralsan.org



Central San serves nearly half a million customers within its 146-square-mile service area.

- Wastewater collection & treatment; Household Hazardous Waste (HHW) disposal.
- Wastewater treatment & HHW disposal in Concord & Clayton by contract.
- HHW disposal only.
- Central San headquarters, treatment plant, HHW Facility & Residential Recycled Water Fill Station.

The Central Contra Costa Sanitary District **Pipeline**

Written and designed by Central San staff to communicate pollution prevention messages to the people and communities we serve.

Ann Vallée, Editor, Writer
Charles Waltmire, Graphic Designer
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