

SANITATION DISTRICTS OF LOS ANGELES COUNTY



# Annual Report

*converting*  
**WASTE**  
*into*  
**RESOURCES**



In 2018, we turned wastewater and trash into:

**33**

BILLION GALLONS OF  
RECYCLED WATER

**81**

MEGAWATTS OF  
ELECTRICITY

**310,000**

TONS OF RECYCLED  
COMMODITIES

**180,000**

TONS OF  
COMPOST

# MISSION

To protect public health and the environment through innovative and cost-effective wastewater and solid waste management and, in doing so, convert waste into resources such as recycled water, energy, and recycled materials.

## CORE VALUES

### INTEGRITY

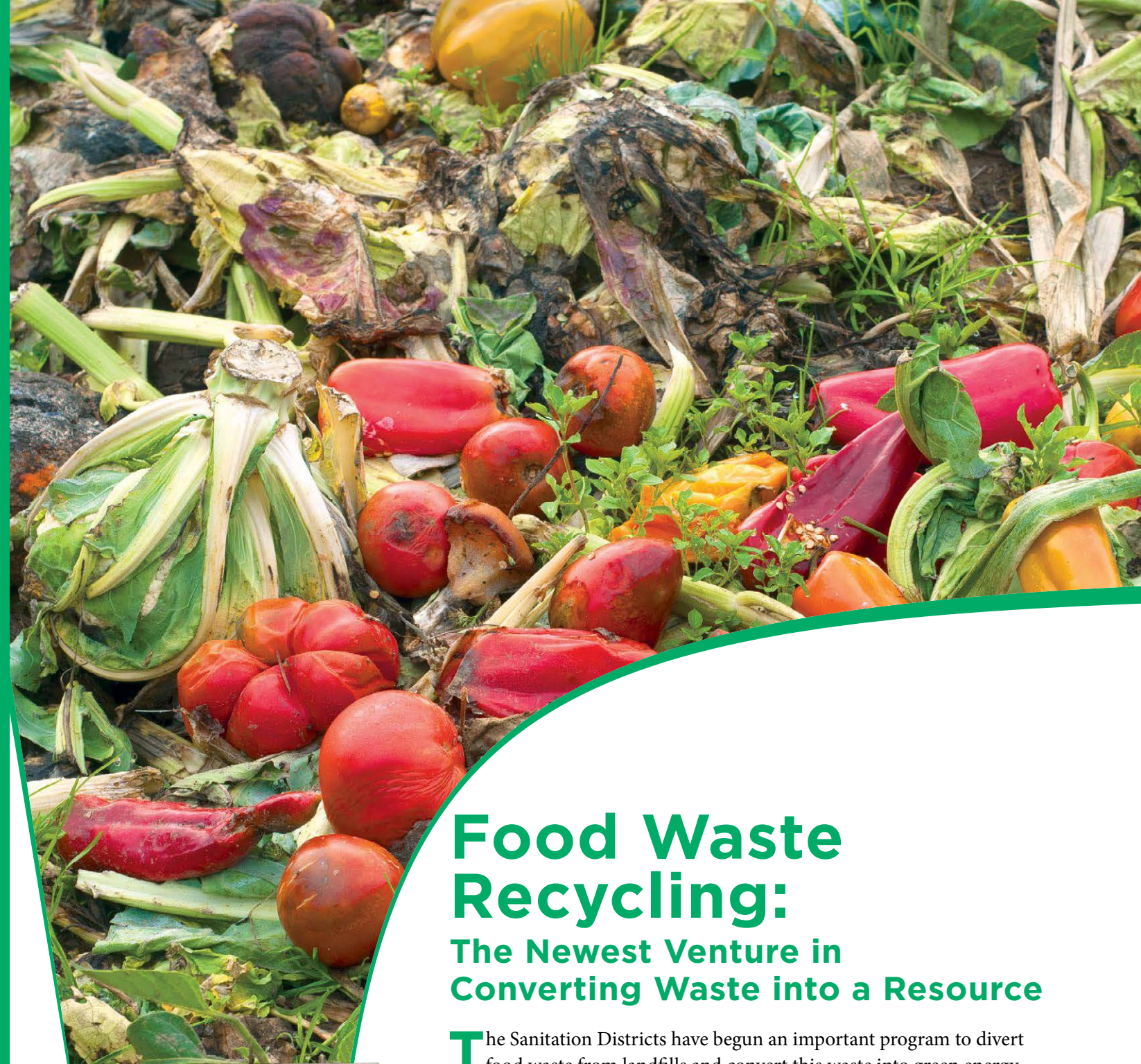
We are committed to ethical standards and accountability in our work

### LEADERSHIP

We are committed to the advancement of excellence in wastewater and solid waste management

### SERVICE

We are committed to reliable, responsive, and courteous service



## Food Waste Recycling: The Newest Venture in Converting Waste into a Resource

The Sanitation Districts have begun an important program to divert food waste from landfills and convert this waste into green energy. This program involves accepting separated food waste from restaurants and grocery stores, processing that food waste into a slurry, and delivering the slurry to our main wastewater treatment plant. There, food waste slurry is fed into anaerobic digesters that previously only treated solids recovered during wastewater (sewage) treatment. The digesters produce biogas that is used at the site's power plant and, in the future, will be used at the nearby natural gas fueling station. This biogas reduces the need for fossil fuels.

Continued on page 18.



## A MESSAGE FROM OUR CHIEF ENGINEER

# Our Mission In Action

Welcome to our first annual report where you'll find an overview of our agency, including recent accomplishments and upcoming challenges.

### New ways to serve our communities

In 2018, we continued to look for ways to use our expertise and facilities to serve our communities. Two examples include a new food waste recycling program and expanded involvement in stormwater management—both efforts that help our member cities comply with State and Federal requirements. More about these efforts can be found on pages 9 and 18.

### Pursuing more water recycling

Our water recycling program has supplemented water supplies for over 50 years. On pages 11 and 17, you can read about efforts to increase recycling, including a potential project that could become the largest recycling project in the country.

### Addressing aging infrastructure

In 2018, we sought bids for the Clearwater Project, which involves construction of a new 7-mile tunnel to protect local waterways by addressing aging infrastructure. The project will provide needed reliability to a critical part of the sewer system that serves over 5 million people.

### Finances

Overall, our agency finances are healthy, and charges for wastewater service are among the lowest in the country. However, each of our 24 Districts has its own financial situation and some districts face greater financial challenges than others.

A major challenge, how to address rising pension costs, has led to protracted labor negotiations with some of our staff. Another financial challenge involves finding ways to cost-effectively recycle solid waste after policy changes by China upended the recycling market.

### Our Commitment

As we have done for nearly 100 years, we remain committed to serving our communities and protecting public health and the environment in cost-effective and innovative ways.

Sincerely,



Grace R. Hyde  
Chief Engineer & General Manager



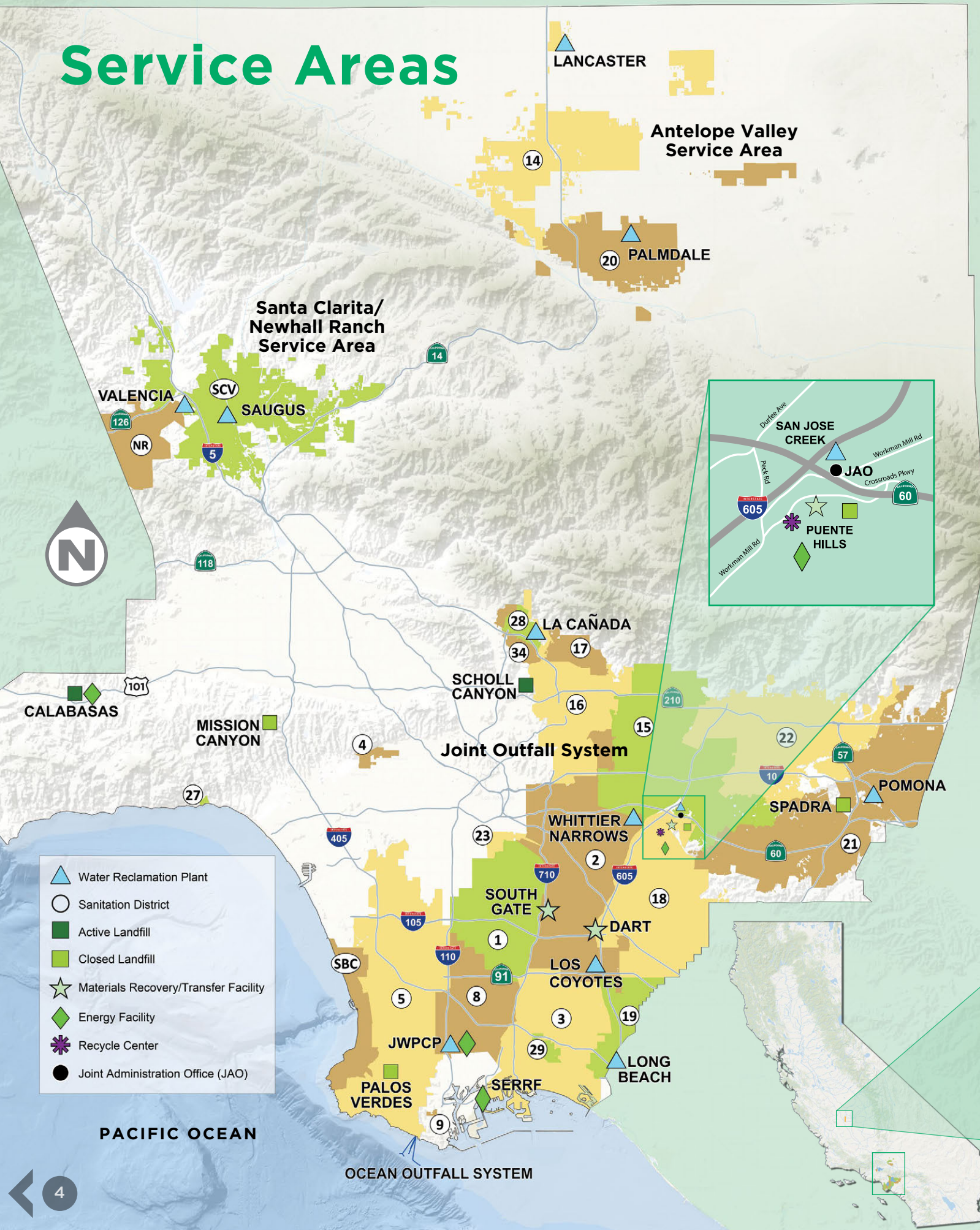
# Boards of Directors (as of printing, March 26, 2019\*)

<b>Alhambra</b> DIST. 2, 16	Adele Andrade-Stadler; <i>Ross Maza</i>	<b>Lynwood</b> DIST. 1	Jose Luis Solache
<b>Arcadia</b> DIST. 15, 22	Sho Tay; <i>Roger Chandler</i>	<b>Manhattan Beach</b> DIST. 5, SBC	Steve Napolitano <i>Nancy Hersman</i>
<b>Artesia</b> DIST. 2, 18, 19	Tony Lima; <i>Miguel Canales</i>	<b>Maywood</b> DIST. 1	Eddie de la Riva; <i>Ramon Medina</i>
<b>Azusa</b> DIST. 22	Joseph R. Rocha; <i>Edward J. Alvarez</i>	<b>Monrovia</b> DIST. 15, 22	Tom Adams; <i>Becky A. Shevlin</i>
<b>Baldwin Park</b> DIST. 15, 22	Manuel Lozano; <i>Monica Garcia</i>	<b>Montebello</b> DIST. 2, 15	vacant; <i>Jack Hadjinián</i>
<b>Bell</b> DIST. 1, 2	Fidencio Joel Gallardo; <i>Ali Saleh</i>	<b>Monterey Park</b> DIST. 2, 15	Peter Chan; <i>Hans Liang</i>
<b>Bell Gardens</b> DIST. 2	Alejandra Cortez; <i>Lisseth Flores</i>	<b>Norwalk</b> DIST. 2, 18	Jennifer Perez; <i>Luigi Vernola</i>
<b>Bellflower</b> DIST. 2, 3, 18	Sonny R. Santa Ines; <i>Juan Garza</i>	<b>Palmdale</b> DIST. 14 DIST. 20 (2nd DIR)	Steven Hofbauer; <i>Austin Bishop</i> Richard J. Loa; <i>Austin Bishop</i>
<b>Beverly Hills</b> DIST. 4	Julian Gold; <i>Robert Wunderlich</i>	<b>Palos Verdes Estates</b> DIST. 5, SBC	Betty Lin Peterson <i>Kenneth Kao</i>
<b>Bradbury</b> DIST. 15, 22	Richard G. Barakat	<b>Paramount</b> DIST. 1, 2	Diane J. Martinez; <i>Daryl Hofmeyer</i>
<b>Carson</b> DIST. 8	Albert Robles; <i>Elito Santarina</i>	<b>Pasadena</b> DIST. 15, 16, 17	Terry Tornek
<b>Cerritos</b> DIST. 2, 3, 18, 19	Mark Pulido; <i>Grace Hu</i>	<b>Pico Rivera</b> DIST. 2, 18	Brent Tercero; <i>Gustavo Camacho</i>
<b>Claremont</b> DIST. 21	Corey Calaycay; <i>Larry Schroeder</i>	<b>Pomona</b> DIST. 21	Tim Sandoval; <i>GINNA ESCOBAR</i>
<b>City of Commerce</b> DIST. 2	Hugo Argumedo; <i>Ivan Altamirano</i>	<b>Rancho Palos Verdes</b> DIST. 5, SBC	Jerry V. Duhovic <i>Susan Brooks</i>
<b>Compton</b> DIST. 1, 2, 8	Aja Brown; <i>Janna Zurita</i>	<b>Redondo Beach</b> DIST. 5, SBC	Bill Brand <i>Christian Horvath</i>
<b>Covina</b> DIST. 22	Walter Allen III	<b>Rolling Hills</b> DIST. 5	Patrick Wilson
<b>Cudahy</b> DIST. 1	Jose R. Gonzalez; <i>Chris Garcia</i>	<b>Rolling Hills Estates</b> DIST. 5, SBC	Judith Mitchell <i>Velveth Schmitz</i>
<b>Culver City</b> DIST. 5	Thomas Aujero Small; <i>Daniel Lee</i>	<b>Rosemead</b> DIST. 15	Steven Ly; <i>Margaret Clark</i>
<b>Diamond Bar</b> DIST. 21	Carol Herrera; <i>Nancy Lyons</i>	<b>San Dimas</b> DIST. 21, 22	Curtis W. Morris; <i>Denis Bertone</i>
<b>Downey</b> DIST. 2, 18	Richard Rodriguez; <i>Blanca Pacheco</i>	<b>San Gabriel</b> DIST. 2, 15	John Harrington; <i>Juli Costanzo</i>
<b>Duarte</b> DIST. 15, 22	Tzeitel Paras-Caracci; <i>Margaret Finlay</i>	<b>San Marino</b> DIST. 15, 16	Steven Huang <i>Gretchen Shepherd Romey</i>
<b>El Monte</b> DIST. 15	Andre Quintero; <i>Victoria Martinez</i>	<b>Santa Clarita</b> SCV SCV (2nd DIR)	Marsha McLean; <i>Cameron Smyth</i> Laurene Weste; <i>Cameron Smyth</i>
<b>El Segundo</b> DIST. 5, SBC	Drew Boyles; <i>Chris Pimentel</i>	<b>Santa Fe Springs</b> DIST. 18	Juanita A. Trujillo <i>William K. Rounds</i>
<b>Gardena</b> DIST. 5	Tasha Cerda; <i>Dan Medina</i>	<b>Sierra Madre</b> DIST. 15	Denise Delmar
<b>Glendora</b> DIST. 22	Mendell Thompson; <i>Judy M. Nelson</i>	<b>Signal Hill</b> DIST. 3, 29 DIST. 29	Tina Hansen Robert D. Copeland; <i>Larry Forester</i> Edward H.J. Wilson; <i>Lori Y. Woods</i>
<b>Hawaiian Gardens</b> DIST. 19	Myra Maravilla; <i>Jesse Alvarado</i>	<b>South El Monte</b> DIST. 15	Gloria Olmos; <i>Richard Angel</i>
<b>Hawthorne</b> DIST. 5	Alex Vargas; <i>Olivia J. Valentine</i>	<b>South Gate</b> DIST. 1, 2	Maria Belen Bernal; <i>Maria Davila</i>
<b>Hermosa Beach</b> SBC	Stacey Armato; <i>Mary Campbell</i>	<b>South Pasadena</b> DIST. 16	Richard Schneider; <i>Robert S. Joe</i>
<b>Huntington Park</b> DIST. 1	Jhonny Pineda; <i>Karina Macias</i>	<b>Temple City</b> DIST. 15	William Man; <i>Cynthia Sternquist</i>
<b>City of Industry</b> DIST. 15, 18, 21	Mark D. Radecki; <i>Cory Moss</i>	<b>Torrance</b> DIST. 5, SBC	Patrick J. Furey; <i>Geoff Rizzo</i>
<b>Inglewood</b> DIST. 5	James T. Butts	<b>Vernon</b> DIST. 1, 2, 23 DIST. 1 DIST. 2 DIST. 23	Yvette Woodruff-Perez; <i>William J Davis</i> <i>Melissa Ybarra</i> Luz A. Martinez; <i>Leticia Lopez</i> William J. Davis; <i>Melissa Ybarra</i>
<b>Irwindale</b> DIST. 15, 22	Albert F. Ambriz; <i>Mark A. Breceda</i>	<b>Walnut</b> DIST. 21, 22	Nancy Tragarz; <i>Eric Ching</i>
<b>La Cañada Flintridge</b> DIST. 28, 34	Michael A. Davitt Jonathan C. Curtis; <i>Teresa Walker</i> Greg C. Brown; <i>Leonard Pieroni</i>	<b>West Covina</b> DIST. 15, 21, 22	Lloyd Johnson; <i>Tony Wu</i>
<b>La Habra Heights</b> DIST. 18	Brian Bergman; <i>Carey Klingfus</i>	<b>West Hollywood</b> DIST. 4	John J. Duran; <i>Lindsey P. Horvath</i>
<b>La Mirada</b> DIST. 18	Lawrence Mowles; <i>Steve De Ruse</i>	<b>Whittier</b> DIST. 2, 15, 18	John Vinatieri; <i>Cathy Warner</i>
<b>La Puente</b> DIST. 15, 21	Valerie Muñoz; <i>Dan Holloway</i>		
<b>La Verne</b> DIST. 21, 22	Don A. Kendrick; <i>Charlie A. Rosales</i>		
<b>Lakewood</b> DIST. 3, 19	Steve Croft; <i>Todd Rogers</i>		
<b>Lancaster</b> DIST. 14	R. Rex Parris; <i>Marvin Crist</i>		
<b>Lawndale</b> DIST. 5	Robert Pullen-Miles; <i>Pat Kearney</i>		
<b>Lomita</b> DIST. 5	Henry Sanchez; <i>James Gazeley</i>		
<b>Long Beach</b> DIST. 1, 2, 3, 8, 19	Robert Garcia; <i>Dee Andrews</i>		
<b>Los Angeles City</b> DIST. 1, 2, 3, 4, 5, 8, 9, 16	Herb Wesson, Jr.; <i>Joe Buscaino</i>		
<b>Los Angeles County (unincorporated)</b>			
DIST. 1, 2, 3, 8, 9, 17, 19	Janice Hahn; <i>Hilda Solis</i>		
DIST. 14, 15, 16, 18, 20, 21, 22, SCV	Janice Hahn <i>Kathryn Barger</i>		
DIST. 27, 36	Kathryn Barger; <i>Janice Hahn</i> , <i>Sheila Kuehl</i> Mark Ridley-Thomas; <i>Hilda Solis</i>		
DIST. 5	Janice Hahn; <i>Mark Ridley-Thomas</i>		
DIST. 9, 17 (2nd DIR)	Kathryn Barger; <i>Hilda Solis</i>		

\*Directors and alternates are subject to change throughout the year.

Alternate Directors in *italics*

# Service Areas



# Who We Are

The Sanitation Districts consist of 24 independent special districts serving about 5.6 million people in Los Angeles County. The service area in the map to the left covers approximately 850 square miles and encompasses 78 cities and unincorporated areas in the county.

The Sanitation Districts were created in 1923 to construct, operate, and maintain facilities that collect, treat, and dispose of domestic and industrial wastewater. The Sanitation Districts operate and maintain the larger, regional wastewater collection systems, while cities and unincorporated areas within each District are responsible for their smaller local collection systems. In the 1950s, the Sanitation Districts were given responsibility for solid waste management (excluding trash pickup).

To maximize efficiency and reduce costs, the 24 Districts work cooperatively with one administrative staff headquartered near the City of Whittier. Each District has a Board of Directors consisting of the mayor of each city served, and the Chair of the County Board of Supervisors for unincorporated territory. Each District pays its proportionate share of administrative costs.

Overall wastewater and solid waste management budgets for 2018-19 are \$678 million and \$175 million, respectively. Both systems provide essential public services at some of the most competitive service rates in the country.

**SERVING**  
**5.6** million people  
**850** square miles  
**78** cities

FULL-TIME EMPLOYEES

**1,657**

AVERAGE YEARS OF SERVICE AT RETIREMENT

**26**

AVERAGE AGE

**48**

2018 NEW HIRES

**114**

2018 RETIREMENTS

**66**

LICENSED ENGINEERS

**186**

EMPLOYEES WITH ADVANCED DEGREE

**266**

EMPLOYEES WITH SPECIAL CERTIFICATIONS

**209**

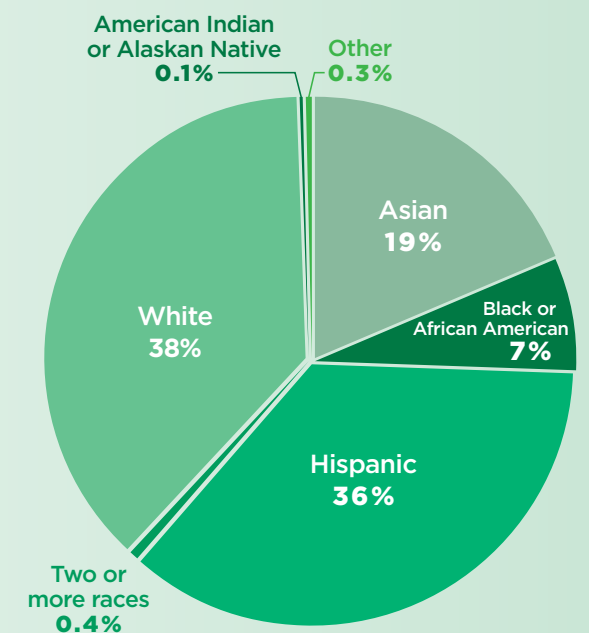
STAFFING BY GENDER

WOMEN

**21%**

MEN

**79%**



Numbers as of Dec. 31, 2018

# What We Do

## WASTEWATER

We collect, treat and recycle the wastewater (sewage) from 5.6 million people in Los Angeles County. Our wastewater system currently treats about 400 million gallons per day, enough to fill the Rose Bowl nearly five times a day. This system includes 11 wastewater treatment plants, 48 pump stations, over 1,400 miles of sewer, and two state-of-the-art composting facilities for managing the solids removed during treatment.



**1,000,000,000,000**  
Over 1 trillion gallons of water recycled since 1962

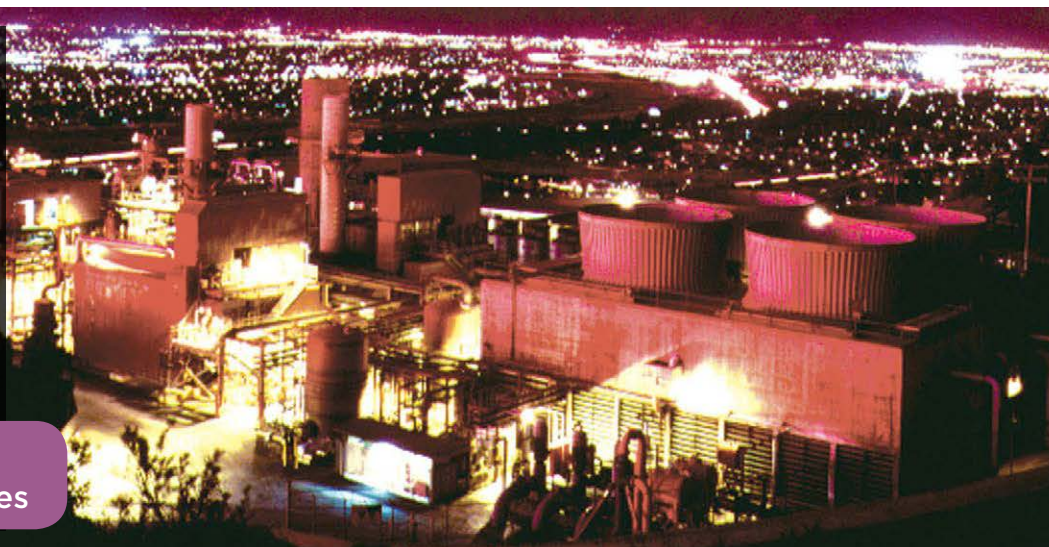
## SOLID WASTE

Our solid waste management system accommodates about one quarter of the county's solid waste. We manage the waste hauled to us with a system that includes two active landfills, three materials recovery/transfer facilities, and a recycle center. We also have infrastructure for a waste-by-rail system to handle the county's waste in the future when local disposal options are exhausted.



## GREEN ENERGY

The Sanitation Districts are one of the country's leading producers of green energy. Some of the electricity is used in powering Sanitation Districts' operations; the rest is exported to the local grid, which reduces the power that utilities must produce and thereby reduces greenhouse gas emissions.



**81 Megawatts produced:**  
Enough for 81,000 homes

# Our Organization

## CHIEF ENGINEER & GENERAL MANAGER

Grace R. Hyde

## ASSISTANT CHIEF ENGINEER & ASSISTANT GENERAL MANAGER

Robert C. Ferrante

## DEPARTMENTS & SECTIONS

ENGINEERING	FACILITIES PLANNING	FINANCIAL MANAGEMENT	HUMAN RESOURCES	SOLID WASTE MANAGEMENT	TECHNICAL SERVICES	WASTEWATER MANAGEMENT
Electrical & Instrumentation Design	Facilities & Property Management	Accounting	Employee Benefits	Energy Recovery	Air Quality	Industrial Waste
Field Engineering	Information Services	Budget & Finance	Employment Services	Fleet Management	Environmental Health & Safety	Joint Water Pollution Control Plant
Sewer Design	Information Technology	Purchasing	Payroll	Solid Waste Operations & Engineering	Laboratories	Wastewater Collection Systems
Structural, Geotechnical, & Architectural Design	Wastewater Planning				Reuse & Compliance	Water Reclamation Plants
Wastewater & Solid Waste Design					Wastewater Research	
					Water Quality	

### ENGINEERING

Design and construction oversight of Sanitation Districts' facilities

### FACILITIES PLANNING

Long range planning, environmental review, environmental permitting, property management, information technology, public relations, security, facilities management, and document management

### FINANCIAL MANAGEMENT

Budgeting, accounting, purchasing, revenue collection, and insurance

### HUMAN RESOURCES

Hiring employees, payroll, benefits, and compliance with State and Federal employment laws

### SOLID WASTE MANAGEMENT

Operation and maintenance of the solid waste management facilities and energy recovery facilities

### TECHNICAL SERVICES

Water recycling, biosolids management, water and air permit compliance, research, laboratory processes, regulatory advocacy, and legislative advocacy

### WASTEWATER MANAGEMENT

Operation and maintenance of wastewater management facilities and regulating industrial discharges to the Sanitation Districts' sewer system

# ACCOMPLISHMENTS & MILESTONES

## Helping Our Cities with Stormwater Compliance

**F**or years, we have helped cities manage dirty water from storm drains by diverting that water into our sewers during dry weather for treatment along with wastewater (sewage).

In 2016, Senate Bill 485 by Senator Ed Hernandez went into effect and provided the Sanitation Districts with broader authority to help cities manage their stormwater. We can now act as consultants for cities and collaborate in a larger way.

Our first project under this new authority is the Carriage Crest Stormwater Project for the City of Carson. For this project, the Sanitation Districts oversaw the design and are now overseeing the construction, which began in 2018.

**Below-ground storage like this will be used for the Carriage Crest project. Photo courtesy of StormTrap.**

# Setting the Standard

The Commerce Refuse-to-Energy Facility (CREF) was a facility that converted trash into energy. In June 2018, CREF received its last load of trash after more than 31 years of successful operation. The facility closed because it was no longer cost-effective due to a drop in wholesale electricity prices.

CREF provided an innovative disposal alternative that saved valuable landfill space, reduced millions of truck miles on local freeways, and reduced use of fossil fuel (at its peak, CREF produced enough electricity for 10,000 homes).

CREF also raised the bar for air pollution control technologies, which resulted in cleaner waste-to-energy facilities across the country.



# Working Towards a Monumental Recycled Water Program

The Metropolitan Water District of Southern California and the Sanitation Districts have partnered on a potential Regional Recycled Water Program that could become the largest water recycling project in the country.

At full scale, the project could produce up to 150 million gallons of purified water each day, enough to serve more than 335,000 homes. This water would be used to replenish groundwater basins and provide greater water supply reliability for the Southland.

As an early step, MWD is constructing a 0.5 million gallons per day demonstration-scale water purification facility located at the Sanitation Districts' Joint Water Pollution Control Plant (JWPCP). The demonstration facility will purify the JWPCP's treated water and generate information needed for design and permitting of the potential full-scale advanced water purification facility.



San Gabriel spreading grounds used for groundwater replenishment

# Innovating for Santa Clarita

Location of new advanced treatment facilities

In accordance with State and Federal laws, the Santa Clarita Valley Sanitation District (SCVSD) must meet a tough limit on the amount of chloride (salt) in its treated water. The SCVSD spent many years evaluating the most cost-effective way to comply with the chloride limit and protect ratepayers from fines due to non-compliance. In late 2018, design of advanced treatment facilities for chloride removal at the Valencia Water Reclamation Plant (pictured) was completed, and construction will begin in 2019.

These facilities include multiple stages of reverse osmosis, the same technology used to convert seawater into drinking water. The reverse osmosis will be coupled with an innovative softening system that will minimize the need for chemicals and reduce the amount of brine (salty water byproduct) that must be hauled offsite for disposal. The SCVSD is also replacing chlorination with UV disinfection facilities at its Valencia and Saugus Water Reclamation Plants, which will further protect public health and groundwater.



Reverse osmosis membranes

S  
A  
N  
T  
A  
  
C  
L  
A  
R  
I  
T  
A  
  
R  
I  
V  
E  
R



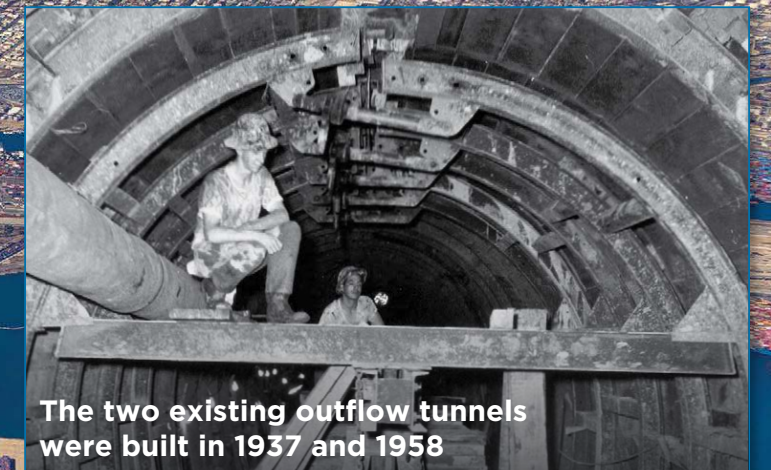
# FUTURE CHALLENGES

## Protecting Local Waterways by Addressing Aging Infrastructure

After several years of planning and environmental review, the Sanitation Districts' Board of Directors approved the Clearwater Project to protect local waterways by addressing aging critical infrastructure. Under the project, a new 7-mile tunnel will be built from our Joint Water Pollution Control Plant to existing ocean outfalls located at Royal Palms Beach in San Pedro. All surface construction will be limited to these two locations. The new tunnel replaces two existing tunnels that are over 60 and 80 years old. This \$700 million construction project is scheduled to start in 2019 and finish in 2026.

Joint Water  
Pollution Control  
Plant

Royal  
Palms  
Beach



The two existing outflow tunnels were built in 1937 and 1958

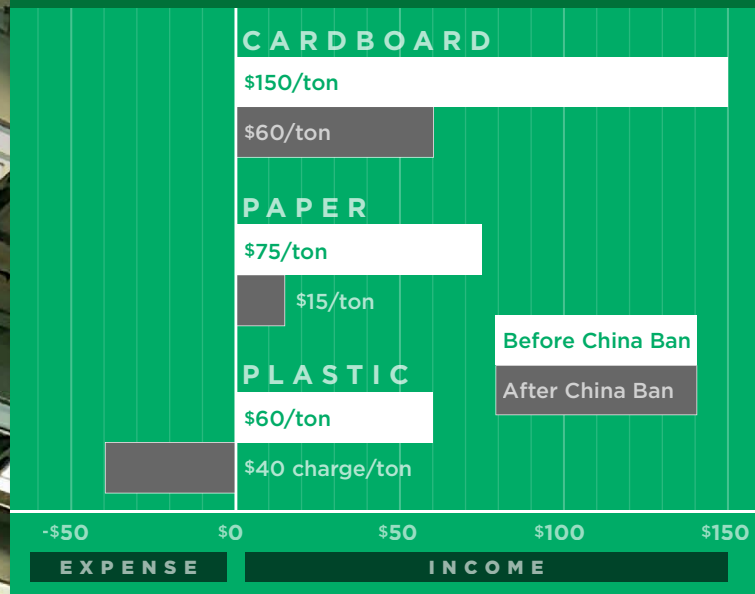
# China's Impact on Recycling

For years, separating recyclables from trash was cost-effective due to the income received from selling recyclable materials, mostly to China.

In 2018, China implemented a new policy that requires extremely low contamination in recyclables, which has essentially halted exportation of recyclable materials to China. This policy has greatly reduced the value of recyclables and has dramatically affected the ability of the Sanitation Districts and other Californians to economically recycle.

In response, we are investing in equipment that will cost-effectively recover recyclables with low contamination. We are also convening an ad hoc committee of select local leaders to help evaluate additional strategies for coping with this challenge.

## Plummeting Value of Recyclables

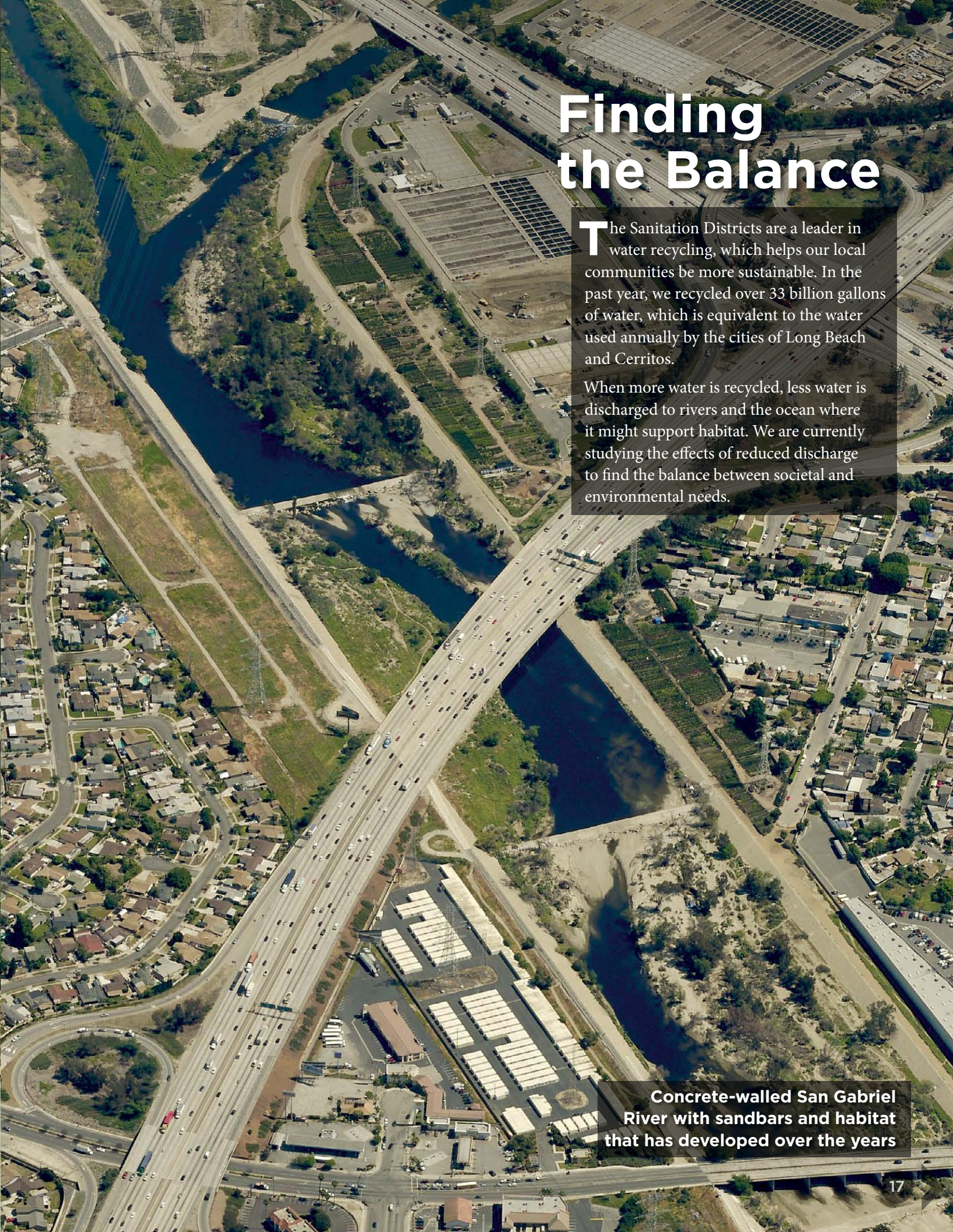


Materials sorting and bailed recyclable materials waiting to be sold

# Finding the Balance

The Sanitation Districts are a leader in water recycling, which helps our local communities be more sustainable. In the past year, we recycled over 33 billion gallons of water, which is equivalent to the water used annually by the cities of Long Beach and Cerritos.

When more water is recycled, less water is discharged to rivers and the ocean where it might support habitat. We are currently studying the effects of reduced discharge to find the balance between societal and environmental needs.



Concrete-walled San Gabriel River with sandbars and habitat that has developed over the years

# Converting Food Waste into Green Energy

Every day, 4,000 tons of food are thrown out in Los Angeles County—enough to cover a football field 1.3 feet deep. This waste takes up valuable landfill space and can harm the environment if not properly managed.

The Sanitation Districts are using existing facilities to convert food waste into one megawatt of electricity, which is enough to power 1,000 homes. By the end of 2020, we will install new equipment that will convert food waste into biofuel to power vehicles (equivalent to 2,500 gallons of gasoline per day).

This program reduces greenhouse gas emissions and helps our member cities and businesses meet state requirements.



# Connecting With Our Community

Community engagement has long been a key to achieving the Sanitation Districts' mission. These efforts allow us to tell you about what we do and the challenges we face. Community engagement also provides us an opportunity to listen to you so that we can better serve you.

STUDENTS PARTICIPATING IN SEWER SCIENCE  
**5,000**

**12** MONTHLY TOURS OF BIXBY MARSHLAND

PRESENTATIONS AT COMMUNITY MEETINGS  
**50**

**8** COMMUNITY MEETINGS HOSTED

ACTIVE ENGAGEMENT THROUGH SOCIAL MEDIA

PARTICIPATED IN  
**20**  
COMMUNITY EVENTS

TOURS OF OUR FACILITIES  
**150**

HOSTED OVER **2,000** COMMUNITY MEMBERS AT OUR **12<sup>TH</sup> ANNUAL EARTH DAY CELEBRATION**

# Awards & Achievements



## PLATINUM AWARD

National Association of Clean Water Agencies  
Seven consecutive years of 100% compliance

## CERTIFICATE OF ACHIEVEMENT

Excellence in Financial Reporting  
Government Finance Officers Association  
Comprehensive Annual Financial Report, FY 2017

## RESEARCH ACHIEVEMENT

Innovative Dual Award  
California Water Environment Association  
Los Angeles Basin Section  
Evaluation of the Primary Filtration Process at the Lancaster Water Reclamation Plant

## HONOR AWARD

Environmental Communications  
American Academy of Environmental Engineers and Scientists  
Converting Waste Into Resources

# The Financial Landscape

Fiscal Year 2017-18

## WHERE THE MONEY GOES

SOLID WASTE 24%  
**\$161 Million**

WASTEWATER 76%  
**\$502 Million**

### SOLID WASTE

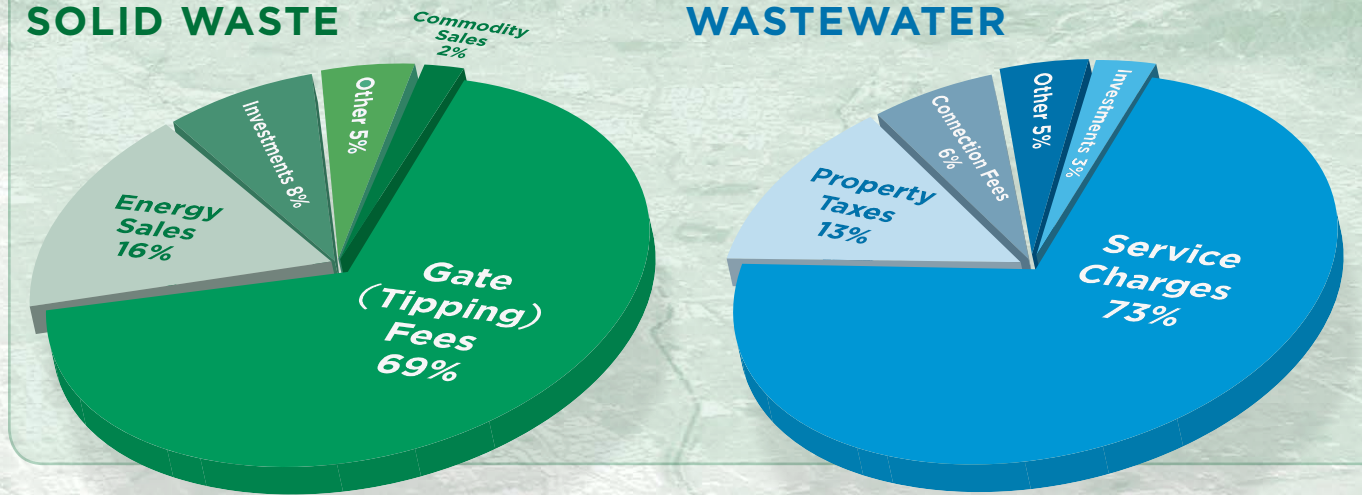
### WASTEWATER

Category	SOLID WASTE	WASTEWATER
Operations & Maintenance	\$134 Million	\$242 Million
Capital	\$16 Million	\$96 Million
Debt Service	\$1 Million	\$86 Million
Support Services	\$2 Million	\$48 Million
Administration	\$8 Million	\$30 Million

## WHERE THE MONEY COMES FROM

### SOLID WASTE

### WASTEWATER



## CONVERTING WASTE INTO RESOURCES (& INCOME)

Energy Sales	\$24.9 Million
Recycled Water Sales	\$6.4 Million
Commodity Sales	\$3.1 Million

# It Takes a Team



**S**erving the public and protecting the environment requires a diverse team of committed, hard-working, and skilled professionals. Our team includes mechanics, engineers, maintenance and construction workers, treatment plant operators, scientists, equipment operators, IT professionals, grounds maintenance workers, electricians, administrative professionals, and others. To join our team, visit [governmentjobs.com/careers/LACSD](https://governmentjobs.com/careers/LACSD).



Apples Lettuce Canteen Vegetables  
 arugula LEMONS AURAN  
 wasteemons Recycling pumpkins  
 nasopeppers vegetables ORANGE  
 CUCUMBERS PEELS  
 Potatoes Lettuce Restaurant tomato  
 RINDS Natural celery  
 peanuts vegetables POTATOKALERINDS  
 egg shells ba RESTAURAN  
 orange bell pepper CNG FOOD  
 peels pepper GARBIC CNG PEANUT  
 GREENS CAFE RECYCLING Cucumbers  
 FOOD WASTE peanuts Salad lettuce  
 CNG Watermelon  
 shells Grinds recycling watermel  
 anteloupe vegetables pumpkins  
 peppers banana FOOD WASTE REST  
 LETTUCE recycling Juice Cab  
 D WASTE cafeteria Restaurant  
 GRAPFRUIT squash  
 peel



**SANITATION DISTRICTS OF LOS ANGELES COUNTY**

*Converting Waste Into Resources*



SanDistricts



SanitationDistrictsLACounty

1955 Workman Mill Rd ♦ Whittier, CA 90601

www.lacsd.org ♦ (562) 908-4288 ext. 2301 ♦ info@lacsd.org



Printed on Recycled Paper

