



ORANGE COUNTY SANITATION DISTRICT **SPECIAL NOTICE REGARDING CORONAVIRUS (COVID-19)** **AND ATTENDANCE AT PUBLIC MEETINGS**

On March 4, 2020, Governor Newsom proclaimed a State of Emergency in California as a result of the threat of COVID-19. On March 12, 2020 and March 18, 2020, Governor Newsom issued Executive Order N-25-20 and Executive Order N-29-20, which temporarily suspend portions of the Brown Act which addresses the conduct of public meetings.

The General Manager and the Chairman of the Board of Directors have determined that due to the size of the Orange County Sanitation District's Board of Directors (25), and the health and safety of the members, the Board of Directors will be participating in meetings of the Board telephonically and Internet accessibility.

PUBLIC PARTICIPATION

Your participation is always welcome. The Steering Committee meeting will be available to the public online at:

<https://ocsd.legistar.com/Calendar.aspx>

You may submit your comments and questions in writing for the Steering Committee's consideration in advance of the meeting only by sending them to OCSDClerk@ocsd.com with the subject line "PUBLIC COMMENT ITEM #" (insert the item number relevant to your comment) or "PUBLIC COMMENT NON-AGENDA ITEM". Submit your written comments by 5:00 p.m. on Tuesday, May 26, 2020. All public comments will be provided to the Steering Committee and may be read into the record or compiled as part of the record.

Thank you.

Serving:

Anaheim

Brea

Buena Park

Cypress

Fountain Valley

Fullerton

Garden Grove

Huntington Beach

Irvine

La Habra

La Palma

Los Alamitos

Newport Beach

Orange

Placentia

Santa Ana

Seal Beach

Stanton

Tustin

Villa Park

County of Orange

Costa Mesa
Sanitary District

Midway City
Sanitary District

Irvine Ranch
Water District

Yorba Linda
Water District



Orange County Sanitation District

10844 Ellis Avenue, Fountain Valley, CA 92708
714.962.2411 • www.ocsd.com

May 20, 2020

NOTICE OF MEETING

STEERING COMMITTEE ORANGE COUNTY SANITATION DISTRICT

REGULAR MEETING – 5:00 P.M.

Wednesday, May 27, 2020

ACCESSIBILITY FOR THE GENERAL PUBLIC

Due to the spread of COVID-19, the Orange County Sanitation District will be holding all upcoming Board and Committee meetings by teleconferencing and Internet accessibility. This meeting will be available to the public online at:

<https://ocsd.legistar.com/Calendar.aspx>

The Regular Meeting of the Steering Committee of the Orange County Sanitation District will be held in the manner indicated above on
Wednesday, May 27, 2020 at 5:00 p.m.

***Our Mission:** To protect public health and the environment by providing effective wastewater collection, treatment, and recycling.*

**STEERING COMMITTEE AND
BOARD MEETING DATES**

June 24, 2020

July 22, 2020

August 26, 2020

September 23, 2020

October 28, 2020

November 18, 2020 *

December 16, 2020 *

January 27, 2021

February 24, 2021

March 24, 2021

April 28, 2021

May 26, 2021

**** Meeting will be held on the third Wednesday of the month***

STEERING COMMITTEE

(1) Roll Call:

Meeting Date: May 27, 2020

Meeting Time: 5:00 p.m.

Committee Members

David Shawver, Board Chair..... _____
John Withers, Board Vice-Chair..... _____
Robert Collacott, Operations Committee Chair..... _____
Peter Kim, LaPA Committee Chair..... _____
Chad Wanke, Administration Committee Chair..... _____
Glenn Parker, Member-At-Large..... _____
Tim Shaw, Member-At-Large..... _____

Others

Brad Hogin, General Counsel..... _____

Staff

Jim Herberg, General Manager..... _____
Rob Thompson, Assistant General Manager..... _____
Lorenzo Tyner, Assistant General Manager..... _____
Celia Chandler, Director of Human Resources..... _____
Kathy Millea, Director of Engineering..... _____
Lan Wiborg, Director of Environmental Services..... _____
Kelly Lore, Clerk of the Board..... _____

Other Staff Present

ORANGE COUNTY SANITATION DISTRICT
BOARD OF DIRECTORS
Complete Roster

Effective 02/19/2020

AGENCY/CITIES	ACTIVE DIRECTOR	ALTERNATE DIRECTOR
Anaheim	Lucille Kring	Denise Barnes
Brea	Glenn Parker	Cecilia Hupp
Buena Park	Fred Smith	Connor Traut
Cypress	Mariellen Yarc	Stacy Berry
Fountain Valley	Steve Nagel	Patrick Harper
Fullerton	Jesus J. Silva	Jan Flory
Garden Grove	Steve Jones	John O'Neill
Huntington Beach	Erik Peterson	Lyn Semeta
Irvine	Christina Shea	Anthony Kuo
La Habra	Tim Shaw	Rose Espinoza
La Palma	Peter Kim	Nitesh Patel
Los Alamitos	Richard Murphy	Dean Grose
Newport Beach	Brad Avery	Joy Brenner
Orange	Mark Murphy	Kim Nichols
Placentia	Chad Wanke	Ward Smith
Santa Ana	Cecilia Iglesias	David Penaloza
Seal Beach	Sandra Massa-Lavitt	Schelly Sustarsic
Stanton	David Shawver	Carol Warren
Tustin	Allan Bernstein	Chuck Puckett
Villa Park	Robert Collacott	Chad Zimmerman

Sanitary/Water Districts

Costa Mesa Sanitary District	James M. Ferryman	Bob Ooten
Midway City Sanitary District	Andrew Nguyen	Margie L. Rice
Irvine Ranch Water District	John Withers	Douglas Reinhart
Yorba Linda Water District	Brooke Jones	Phil Hawkins

County Areas

Board of Supervisors	Doug Chaffee	Donald P. Wagner
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**Orange County Sanitation District
STEERING COMMITTEE
Regular Meeting Agenda
Wednesday, May 27, 2020 - 5:00 PM
Board Room
Administration Building
10844 Ellis Avenue
Fountain Valley, CA 92708
(714) 593-7433**

AGENDA POSTING: In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted outside the main gate of the Sanitation District's Administration Building located at 10844 Ellis Avenue, Fountain Valley, California, and on the Sanitation District's website at www.ocsd.com not less than 72 hours prior to the meeting date and time above. All public records relating to each agenda item, including any public records distributed less than 72 hours prior to the meeting to all, or a majority of the Board of Directors, are available for public inspection in the office of the Clerk of the Board.

AGENDA DESCRIPTION: The agenda provides a brief general description of each item of business to be considered or discussed. The recommended action does not indicate what action will be taken. The Board of Directors may take any action which is deemed appropriate.

MEETING AUDIO: An audio recording of this meeting is available within 24 hours after adjournment of the meeting. Please contact the Clerk of the Board's office at (714) 593-7433 to request the audio file.

NOTICE TO DIRECTORS: To place items on the agenda for a Committee or Board Meeting, the item must be submitted in writing to the Clerk of the Board: Kelly A. Lore, MMC, (714) 593-7433 / klore@ocsd.com at least 14 days before the meeting.

FOR ANY QUESTIONS ON THE AGENDA, BOARD MEMBERS MAY CONTACT STAFF AT:

General Manager: Jim Herberg, jherberg@ocsd.com / (714) 593-7300
Asst. General Manager: Lorenzo Tyner, lttyner@ocsd.com / (714) 593-7550
Asst. General Manager: Rob Thompson, rthompson@ocsd.com / (714) 593-7310
Director of Human Resources: Celia Chandler, cchandler@ocsd.com / (714) 593-7202
Director of Engineering: Kathy Millea, kmillea@ocsd.com / (714) 593-7365
Director of Environmental Services: Lan Wiborg, lwiborg@ocsd.com / (714) 593-7450

CALL TO ORDER**PLEDGE OF ALLEGIANCE****ROLL CALL AND DECLARATION OF QUORUM:****PUBLIC COMMENTS:**

You may submit your comments and questions in writing for the Committee's consideration by sending them to the Clerk of the Board at OCSDClerk@ocsd.com with the subject line "PUBLIC COMMENT ITEM #" (insert the item number relevant to your comment) or "PUBLIC COMMENT NON-AGENDA ITEM". Submit your written comments by 5:00 p.m. on May 26, 2020. All public comments will be provided to the Committee and may be read into the record or compiled as part of the record.

REPORTS:

The Board Chairperson and the General Manager may present verbal reports on miscellaneous matters of general interest to the Directors. These reports are for information only and require no action by the Directors.

CONSENT CALENDAR:

Consent Calendar Items are considered to be routine and will be enacted, by the Committee, after one motion, without discussion. Any items withdrawn from the Consent Calendar for separate discussion will be considered in the regular order of business.

1. APPROVAL OF MINUTES**[2020-1053](#)****RECOMMENDATION:**

Approve Minutes of the Regular Meeting of the Steering Committee held April 22, 2020.

Originator: Kelly Lore

Attachments: [Agenda Report](#)
[04-22-2020 Steering Committee Minutes](#)

NON-CONSENT:

None.

INFORMATION ITEMS:

None.

CLOSED SESSION:

During the course of conducting the business set forth on this agenda as a regular meeting of the Board, the Chairperson may convene the Board in closed session to consider matters of pending real estate negotiations,

pending or potential litigation, or personnel matters, pursuant to Government Code Sections 54956.8, 54956.9, 54957 or 54957.6, as noted.

Reports relating to (a) purchase and sale of real property; (b) matters of pending or potential litigation; (c) employment actions or negotiations with employee representatives; or which are exempt from public disclosure under the California Public Records Act, may be reviewed by the Board during a permitted closed session and are not available for public inspection. At such time the Board takes final action on any of these subjects, the minutes will reflect all required disclosures of information.

CONVENE IN CLOSED SESSION.

CS-1 CONFERENCE WITH LEGAL COUNSEL RE ANTICIPATED LITIGATION - GOVERNMENT CODE SECTION 54956.9(d)(4)

[2020-970](#)

RECOMMENDATION: Convene in Closed Session:

Number of Potential Cases: 1

Initiation of litigation regarding development fees and conditions on the Orange County Sanitation District's new Headquarters Building project: City of Fountain Valley.

Attachments: [Agenda Report](#)
[Memo re Anticipated Litigation HQ Building](#)

RECONVENE IN REGULAR SESSION.

CONSIDERATION OF ACTION, IF ANY, ON MATTERS CONSIDERED IN CLOSED SESSION:

OTHER BUSINESS AND COMMUNICATIONS OR SUPPLEMENTAL AGENDA ITEMS, IF ANY:

BOARD OF DIRECTORS INITIATED ITEMS FOR A FUTURE MEETING:

At this time Directors may request staff to place an item on a future agenda.

ADJOURNMENT:

The next Steering Committee meeting is scheduled for Wednesday, June 24, 2020 at 5:00 p.m.



Orange County Sanitation District

Administration Building
10844 Ellis Avenue
Fountain Valley, CA 92708
(714) 593-7433

STEERING COMMITTEE

Agenda Report

File #: 2020-1053

Agenda Date: 5/27/2020

Agenda Item No: 1.

FROM: James D. Herberg, General Manager
Originator: Kelly A. Lore, Clerk of the Board

SUBJECT:

APPROVAL OF MINUTES

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

Approve Minutes of the Regular Meeting of the Steering Committee held April 22, 2020.

BACKGROUND

In accordance with the Board of Directors Rules of Procedure, an accurate record of each meeting will be provided to the Directors for subsequent approval at the following meeting.

RELEVANT STANDARDS

- Resolution No. OCSD 19-19

ATTACHMENT

The following attachment(s) may be viewed on-line at the OCSD website (www.ocsd.com) with the complete agenda package:

- Minutes of the Steering Committee meeting held April 22, 2020



Administration Building
10844 Ellis Avenue
Fountain Valley, CA 92708
(714) 593-7433

CALL TO ORDER

A regular meeting of the Steering Committee of the Orange County Sanitation District was called to order by Board Chairman David Shawver on Wednesday, April 22, 2020 at 5:11 p.m. in the Administration Building of the Orange County Sanitation District. Chair Shawver stated that the meeting was being held telephonically and via audio/video teleconferencing in accordance with the Governor's Executive Order No. N-29-20, due to the Coronavirus Pandemic (COVID-19).

The Clerk of the Board announced the teleconference meeting guidelines and stated that votes will be taken by roll call.

DECLARATION OF QUORUM:

A quorum was declared present, as follows:

PRESENT: David Shawver, John Withers, Robert Collacott, Peter Kim, Glenn Parker, Tim Shaw and Chad Wanke
ABSENT: None

STAFF MEMBERS PRESENT: Jim Herberg, General Manager; Kelly Lore, Clerk of the Board; Al Garcia, and Tyler Ramirez were present in the Board Room; Assistant General Manager Lorenzo Tyner, Assistant General Manager Rob Thompson, Director of Engineering Kathy Millea, Director of Environmental Services Lan Wiborg, Director of Human Resources Celia Chandler, and Assistant Clerk of the Board Tina Knapp participated telephonically.

OTHERS PRESENT: Brad Hogin (General Counsel) was present in the Board Room.

PUBLIC COMMENTS:

None.

REPORTS:

Board Chair Shawver stated that due to a lack of urgent/critical items and the fact that staff are either telecommuting from home or working on prioritized Plant operations, the LaPA Committee meeting for May has been cancelled. He also stated that the Operations and Administration Committee meetings will be held telephonically on their regularly scheduled day and time.

CONSENT CALENDAR:**1. APPROVAL OF MINUTES**[2020-999](#)**Originator:** Kelly Lore

MOVED, SECONDED, AND DULY CARRIED TO:

Approve Minutes of the Special Meeting of the Steering Committee held March 18, 2020 and the Regular Meeting of the Steering Committee held March 25, 2020.

AYES: David Shawver, John Withers, Robert Collacott, Peter Kim, Glenn Parker, Tim Shaw and Chad Wanke**NOES:** None**ABSENT:** None**ABSTENTIONS:** None**2. 2020-23 SPONSORSHIP OF THE CENTER FOR DEMOGRAPHIC RESEARCH**[2020-887](#)**Originator:** Kathy Millea

MOVED, SECONDED, AND DULY CARRIED TO: Recommend to the Board of Directors to:

Approve a three-year Memorandum of Understanding with California State University Fullerton Auxiliary Services Corporation for operation of the Center for Demographic Research for the period July 1, 2020 through June 30, 2023, for a total amount not to exceed \$331,504.

AYES: David Shawver, John Withers, Robert Collacott, Peter Kim, Glenn Parker, Tim Shaw and Chad Wanke**NOES:** None**ABSENT:** None**ABSTENTIONS:** None**3. ELECTRONIC SIGNATURES POLICY**[2020-1021](#)**Originator:** Lorenzo Tyner

MOVED, SECONDED, AND DULY CARRIED TO: Recommend to the Board of Directors to:

Adopt a policy for the use of electronic signatures.

AYES: David Shawver, John Withers, Robert Collacott, Peter Kim, Glenn Parker, Tim Shaw and Chad Wanke**NOES:** None**ABSENT:** None

ABSTENTIONS: None

NON-CONSENT:

4. RATIFY AMENDMENTS TO PERSONNEL POLICIES AND PROCEDURES IN RESPONSE TO COVID-19 PANDEMIC

[2020-1020](#)

Originator: Celia Chandler

General Manager Herberg provided a brief report on the necessary amendments to the Personnel Policies in reaction to additional operational needs due to COVID-19.

MOVED, SECONDED, AND DULY CARRIED TO: Recommend to the Board of Directors to:

Pursuant to Resolution No. OCSD 20-01, ratify amendments to Orange County Sanitation District Board of Directors' Personnel Policies and Procedures: 1.4 Recruitment & Selection, 1.11 - Temporary & Contract Worker, 1.12 - Student Internship Program, 3.1.2 - Hours of Work - Exempt Employees, 3.2 - Attendance, 3.3 - Leave-of-Absence with Pay, and 3.4 - Leave-of-Absence Without Pay, effective March 25, 2020 through December 31, 2020 or as soon as the State emergency related to the COVID-19 pandemic is lifted.

AYES: David Shawver, John Withers, Robert Collacott, Peter Kim, Glenn Parker, Tim Shaw and Chad Wanke

NOES: None

ABSENT: None

ABSTENTIONS: None

INFORMATION ITEMS:

5. COVID-19 FINANCIAL IMPACT UPDATE

[2020-1046](#)

Originator: Lorenzo Tyner

Assistant General Manager Lorenzo Tyner provided an informative presentation on the financial impacts of the COVID-19 pandemic on OCSD.

ITEM RECEIVED AS AN:

Information Item.

DEPARTMENT HEAD REPORTS:

None.

CLOSED SESSION:

None.

OTHER BUSINESS AND COMMUNICATIONS OR SUPPLEMENTAL AGENDA ITEMS, IF ANY:

Board Vice-Chair Withers announced that the General Manager has a 3:00 p.m. meeting each day with the EOC regarding COVID-19; and that he and the Chairman have started a weekly Friday call with the General Manager to discuss the situation.

BOARD OF DIRECTORS INITIATED ITEMS FOR A FUTURE MEETING:

None.

ADJOURNMENT:

Chair Shawver declared the meeting adjourned at 5:30 p.m. to the next Steering Committee meeting to be held on Wednesday, May 27, 2020 at 5:00 p.m.

Submitted by:

Kelly A. Lore, MMC
Clerk of the Board



Orange County Sanitation District

Administration Building
10844 Ellis Avenue
Fountain Valley, CA 92708
(714) 593-7433

STEERING COMMITTEE

Agenda Report

File #: 2020-970

Agenda Date: 5/27/2020

Agenda Item No: CS-1

FROM: James D. Herberg, General Manager

SUBJECT:

CONFERENCE WITH LEGAL COUNSEL RE ANTICIPATED LITIGATION - GOVERNMENT CODE SECTION 54956.9(D)(4)

RECOMMENDATION: Convene in Closed Session:

Number of Potential Cases: 1

Initiation of litigation regarding development fees and conditions on the Orange County Sanitation District's new Headquarters Building project: City of Fountain Valley.

BACKGROUND

During the course of conducting the business set forth on this agenda as a regular meeting of the Board, the Chairperson may convene the Board in closed session to consider matters of pending real estate negotiations, pending or potential litigation, or personnel matters.

Reports relating to (a) purchase and sale of real property; (b) matters of pending or potential litigation; (c) employment actions or negotiations with employee representatives; or which are exempt from public disclosure under the California Public Records Act, may be reviewed by the Board during a permitted closed session and are not available for public inspection. At such time the Board takes final action on any of these subjects, the minutes will reflect all required disclosures of information.

RELEVANT STANDARDS

- Government Code Sections 54956.8, 54956.9, 54957, or 54957.6, as noted

ATTACHMENT

The following attachment(s) may be viewed on-line at the OCSD website (www.ocsd.com) with the complete agenda package:

- Memorandum from General Counsel

MEMORANDUM

TO: Hon. Chair and Members of the Orange County Sanitation District Steering Committee


FROM: Bradley R. Hogin, Esq.
General Counsel

DATE: May 18, 2020

RE: Closed Session Items

The Steering Committee desires to hold a closed session on May 27, 2020 for the purpose of conferring with its legal counsel regarding potential litigation. Based on existing facts and circumstances, the Committee is deciding whether to initiate litigation against another party. The closed session will be held pursuant to the authority of California Government Code Section 54956.9(d)(4). The facts and circumstances are as follows: a dispute has arisen between the City of Fountain Valley and the District regarding fees and conditions that the City seeks to impose on the District's construction of a new headquarters building. In the view of the District, these fees and conditions are unlawful.

Respectfully submitted,

By 
Bradley R. Hogin, General Counsel

ORANGE COUNTY SANITATION DISTRICT COMMON ACRONYMS

ACWA	Association of California Water Agencies	LOS	Level Of Service	RFP	Request For Proposal
APWA	American Public Works Association	MGD	Million Gallons Per Day	RWQCB	Regional Water Quality Control Board
AQMD	Air Quality Management District	MOU	Memorandum of Understanding	SARFPA	Santa Ana River Flood Protection Agency
ASCE	American Society of Civil Engineers	NACWA	National Association of Clean Water Agencies	SARI	Santa Ana River Interceptor
BOD	Biochemical Oxygen Demand	NEPA	National Environmental Policy Act	SARWQCB	Santa Ana Regional Water Quality Control Board
CARB	California Air Resources Board	NGOs	Non-Governmental Organizations	SAWPA	Santa Ana Watershed Project Authority
CASA	California Association of Sanitation Agencies	NPDES	National Pollutant Discharge Elimination System	SCADA	Supervisory Control And Data Acquisition
CCTV	Closed Circuit Television	NWRI	National Water Research Institute	SCAP	Southern California Alliance of Publicly Owned Treatment Works
CEQA	California Environmental Quality Act	O & M	Operations & Maintenance	SCAQMD	South Coast Air Quality Management District
CIP	Capital Improvement Program	OCCOG	Orange County Council of Governments	SOCWA	South Orange County Wastewater Authority
CRWQCB	California Regional Water Quality Control Board	OCHCA	Orange County Health Care Agency	SRF	Clean Water State Revolving Fund
CWA	Clean Water Act	OCSD	Orange County Sanitation District	SSMP	Sewer System Management Plan
CWEA	California Water Environment Association	OCWD	Orange County Water District	SSO	Sanitary Sewer Overflow
EIR	Environmental Impact Report	OOBS	Ocean Outfall Booster Station	SWRCB	State Water Resources Control Board
EMT	Executive Management Team	OSHA	Occupational Safety and Health Administration	TDS	Total Dissolved Solids
EPA	US Environmental Protection Agency	PCSA	Professional Consultant/Construction Services Agreement	TMDL	Total Maximum Daily Load
FOG	Fats, Oils, and Grease	PDSA	Professional Design Services Agreement	TSS	Total Suspended Solids
gpd	gallons per day	PFAS	Per- and Polyfluoroalkyl Substances	WDR	Waste Discharge Requirements
GWRS	Groundwater Replenishment System	PFOA	Perfluorooctanoic Acid	WEF	Water Environment Federation
ICS	Incident Command System	PFOS	Perfluorooctanesulfonic Acid	WERF	Water Environment & Reuse Foundation
IERP	Integrated Emergency Response Plan	POTW	Publicly Owned Treatment Works	WIFIA	Water Infrastructure Finance and Innovation Act
JPA	Joint Powers Authority	ppm	parts per million	WIIN	Water Infrastructure Improvements for the Nation Act
LAFCO	Local Agency Formation Commission	PSA	Professional Services Agreement	WRDA	Water Resources Development Act

ORANGE COUNTY SANITATION DISTRICT GLOSSARY OF TERMS

ACTIVATED SLUDGE PROCESS – A secondary biological wastewater treatment process where bacteria reproduce at a high rate with the introduction of excess air or oxygen and consume dissolved nutrients in the wastewater.

BENTHOS – The community of organisms, such as sea stars, worms, and shrimp, which live on, in, or near the seabed, also known as the benthic zone.

BIOCHEMICAL OXYGEN DEMAND (BOD) – The amount of oxygen used when organic matter undergoes decomposition by microorganisms. Testing for BOD is done to assess the amount of organic matter in water.

BIOGAS – A gas that is produced by the action of anaerobic bacteria on organic waste matter in a digester tank that can be used as a fuel.

BIOSOLIDS – Biosolids are nutrient rich organic and highly treated solid materials produced by the wastewater treatment process. This high-quality product can be recycled as a soil amendment on farmland or further processed as an earth-like product for commercial and home gardens to improve and maintain fertile soil and stimulate plant growth.

CAPITAL IMPROVEMENT PROGRAM (CIP) – Projects for repair, rehabilitation, and replacement of assets. Also includes treatment improvements, additional capacity, and projects for the support facilities.

COLIFORM BACTERIA – A group of bacteria found in the intestines of humans and other animals, but also occasionally found elsewhere, used as indicators of sewage pollution. E. coli are the most common bacteria in wastewater.

COLLECTIONS SYSTEM – In wastewater, it is the system of typically underground pipes that receive and convey sanitary wastewater or storm water.

CERTIFICATE OF PARTICIPATION (COP) – A type of financing where an investor purchases a share of the lease revenues of a program rather than the bond being secured by those revenues.

CONTAMINANTS OF POTENTIAL CONCERN (CPC) – Pharmaceuticals, hormones, and other organic wastewater contaminants.

DILUTION TO THRESHOLD (D/T) – The dilution at which the majority of people detect the odor becomes the D/T for that air sample.

GREENHOUSE GASES (GHG) – In the order of relative abundance water vapor, carbon dioxide, methane, nitrous oxide, and ozone gases that are considered the cause of global warming ("greenhouse effect").

GROUNDWATER REPLENISHMENT SYSTEM (GWRS) – A joint water reclamation project that proactively responds to Southern California's current and future water needs. This joint project between the Orange County Water District and OCSD provides 70 million gallons per day of drinking quality water to replenish the local groundwater supply.

LEVEL OF SERVICE (LOS) – Goals to support environmental and public expectations for performance.

N-NITROSODIMETHYLAMINE (NDMA) – A N-nitrosamine suspected cancer-causing agent. It has been found in the GWRS process and is eliminated using hydrogen peroxide with extra ultra-violet treatment.

NATIONAL BIOSOLIDS PARTNERSHIP (NBP) – An alliance of the NACWA and WEF, with advisory support from the EPA. NBP is committed to developing and advancing environmentally sound and sustainable biosolids management practices that go beyond regulatory compliance and promote public participation to enhance the credibility of local agency biosolids programs and improved communications that lead to public acceptance.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) – A large group (over 6,000) of human-made compounds that are resistant to heat, water, and oil and used for a variety of applications including firefighting foam, stain and water-resistant clothing, cosmetics, and food packaging. Two PFAS compounds, perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) have been the focus of increasing regulatory scrutiny in drinking water and may result in adverse health effects including developmental effects to fetuses during pregnancy, cancer, liver damage, immunosuppression, thyroid effects, and other effects.

PERFLUOROOCTANOIC ACID (PFOA) – An ingredient for several industrial applications including carpeting, upholstery, apparel, floor wax, textiles, sealants, food packaging, and cookware (Teflon).

PERFLUOROOCTANESULFONIC ACID (PFOS) – A key ingredient in Scotchgard, a fabric protector made by 3M, and used in numerous stain repellents.

PLUME – A visible or measurable concentration of discharge from a stationary source or fixed facility.

PUBLICLY OWNED TREATMENT WORKS (POTW) – A municipal wastewater treatment plant.

SANTA ANA RIVER INTERCEPTOR (SARI) LINE – A regional brine line designed to convey 30 million gallons per day of non-reclaimable wastewater from the upper Santa Ana River basin to the ocean for disposal, after treatment.

SANITARY SEWER – Separate sewer systems specifically for the carrying of domestic and industrial wastewater.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) – Regional regulatory agency that develops plans and regulations designed to achieve public health standards by reducing emissions from business and industry.

SECONDARY TREATMENT – Biological wastewater treatment, particularly the activated sludge process, where bacteria and other microorganisms consume dissolved nutrients in wastewater.

SLUDGE – Untreated solid material created by the treatment of wastewater.

TOTAL SUSPENDED SOLIDS (TSS) – The amount of solids floating and in suspension in wastewater.

ORANGE COUNTY SANITATION DISTRICT GLOSSARY OF TERMS

TRICKLING FILTER – A biological secondary treatment process in which bacteria and other microorganisms, growing as slime on the surface of rocks or plastic media, consume nutrients in wastewater as it trickles over them.

URBAN RUNOFF – Water from city streets and domestic properties that carry pollutants into the storm drains, rivers, lakes, and oceans.

WASTEWATER – Any water that enters the sanitary sewer.

WATERSHED – A land area from which water drains to a particular water body. OCSD's service area is in the Santa Ana River Watershed.