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**Industrial Environmental Association &  
 California Manufacturers and Technology Association**

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Mission Statement:

The Industrial Environmental Association (IEA) is a non-profit association based in San Diego, California, that promotes responsible environmental laws and regulations, provides manufacturers a voice on a variety of environmental issues, and offers educational opportunities for manufacturers and associated organizations in the region

IEA and CMTA would like to thank:

**Videographer:** Vincente Almanza Productions  
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THE METROPOLITAN WATER DISTRICT  
 OF SOUTHERN CALIFORNIA



34<sup>th</sup>  
 Annual

# Environmental Training Symposium and Conference

## Strategies for Success on California's Environmental Frontier



San Diego Convention Center  
 Thursday & Friday  
 September 27-28, 2018

Sponsored by:



THE METROPOLITAN WATER DISTRICT  
 OF SOUTHERN CALIFORNIA



# 34<sup>th</sup> Annual Environmental Training Symposium and Conference

## Thursday, September 27

7:00 AM - 7:45 AM | Registration and Breakfast

Exhibit Hall

### MORNING PLENARY SESSION

**California Water: The history and future of protecting, transporting, and sharing California's most precious resource**

**Moderator: Sara Katz**, CEO, Katz and Associates

**Jeff Kightlinger**, General Manager, Metropolitan Water District of Southern California | **Jerry Meral**, Ph.D., Director, California Water Program, Natural Heritage Institute

7:45 AM - 9:00 AM

MORNING SESSION I  
9:15 AM - 10:30 AM

ROOM 3	ROOM 4	ROOM 5A	ROOM 5B
<p><b>San Diego APCD Update</b></p> <p><b>Moderator: Massie Hatch</b> Principal Engineer, M. S. Hatch Consulting</p> <p><b>Bob Kard</b> Director, San Diego APCD</p> <p><b>Jon Adams</b> Assistant Director, San Diego APCD</p> <p><b>Jim Swaney</b> Chief of Engineering, San Diego APCD</p> <p><b>Mahiany Luther</b> Chief of Compliance, San Diego APCD</p>	<p><b>IGP/TMDL Update</b></p> <p><b>Moderator: Sean Porter</b> West Region Stormwater Program Manager, Apex Companies, LLC</p> <p><b>Dave Gibson</b> Executive Officer, San Diego RWQCB</p> <p><b>Matt O'Malley</b> Executive Director &amp; Managing Attorney, San Diego Coastkeeper</p> <p><b>Shuka Rastegarpour</b> Environmental Scientist, CA State Water Resources Control Board</p>	<p><b>Hazardous Materials Planning and Emergency Response</b></p> <p><b>Moderator: Rick White</b> Director, HS&amp;E, Ionis Pharmaceuticals</p> <p><b>Jennifer Hartman King</b> President, Hartman King PC</p> <p><b>Peter Reich</b> Oil Program Inspector, U.S. EPA, Region 9</p> <p><b>Leon Wirschem</b> Environmental Specialist III, Dept. of Environmental Health, Hazardous Materials Division, County of San Diego</p>	<p><b>Safer Consumer Products</b></p> <p><b>Moderator: Andrew Homer</b> Special Counsel, Kelley Drye &amp; Warren LLP</p> <p><b>Bill Allayaud</b> California Director of Government Affairs, Environmental Working Group</p> <p><b>Dawn Koepke</b> Partner, McHugh, Koepke &amp; Associates</p> <p><b>Meredith Williams</b> Deputy Director, Safer Products and Workplaces Program, Department of Toxic Substances Control</p>

10:30 AM - 10:45 AM | Coffee Break

Exhibit Hall

MORNING SESSION II  
10:45 AM - 12:00 PM

ROOM 3	ROOM 4	ROOM 5A	ROOM 5B
<p><b>Regional Strategies</b></p> <p><b>Moderator: Mike Huber</b> DoD Regional Environmental Coordination Program Manager, CNRSW</p> <p><b>Rob Reider</b> Deputy Director, San Diego APCD</p> <p><b>Sylvia Vanderspek</b> Branch Chief, Air Quality Planning Branch, California Air Resources Board</p> <p><b>Amy Zimpfer</b> Associate Director - Air Division, U.S. EPA, Region 9</p>	<p><b>Regional Stormwater Capture and Use</b></p> <p><b>Moderator: Chris Beegan</b> Engineering Geologist, CA State Water Resources Control Board</p> <p><b>Bill Funderburk, Jr.</b> Partner, Castellón &amp; Funderburk LLP</p> <p><b>Stephanie Gaines</b> Program Coordinator, Watershed Protection Program, Dept. of Public Works, County of San Diego</p> <p><b>Wing Tam</b> Assistant Division Manager, Watershed Protection Division, LA Sanitation - City of Los Angeles</p>	<p><b>The Clock is Ticking on Diversion Rates - How can industry get there?</b></p> <p><b>Moderator: Kristine Muller</b> Associate Manager, Environmental Health &amp; Safety, Gilead Sciences, Inc.</p> <p><b>Larry Burton</b> Director of Business Development, Temarry Recycling, Inc.</p> <p><b>Jeffrey Hutcheon</b> Director of Sales, Ingenium</p> <p><b>Chuck White</b> Senior Advisor, Manatt, Phelps &amp; Phillips LLP</p>	<p><b>Community Choice Aggregation</b></p> <p><b>Moderator: Scott Anders</b> Director, Energy Policy Initiatives Center, University of San Diego School of Law</p> <p><b>Erik Caldwell</b> Economic Development Director, City of San Diego</p> <p><b>Francisco Urtasun</b> Reg. Vice President of External Affairs, Sempra Services Corp.</p> <p><b>Dawn Weisz</b> CEO, Marin Clean Energy</p>

12:15 PM - 1:45 PM | Environmental Excellence Awards Luncheon

Banquet Hall

12:15 PM - 1:45 PM

<p>Sponsored by <b>REPUBLIC SERVICES</b></p> <p><b>Associates of the Year Award:</b> Apex Companies, LLC Kelley Drye &amp; Warren LLP</p> <p><b>Environmental Excellence Award Winners:</b> Naval Facilities Engineering Command Southwest, Naval Base Point Loma City of Riverside, Public Works Department, Wastewater Division CP Kelco EDCO Escondido Resource Recovery</p>	<p><b>AFTERNOON PLENARY SESSION</b> <b>Environmental Enforcement: Comparing the Climates of Washington and Sacramento</b></p> <p><b>Moderator: Steve Marsh</b>, Esq., Dentons U.S. LLP</p> <p><b>Kathleen Johnson</b> Enforcement Division Director, U.S. EPA, Region 9</p> <p><b>Christiana Tiedemann</b> Deputy Secretary for Law Enforcement and Counsel, CalEPA</p>	<p><b>Poster Presentation</b></p> <p><b>UC San Diego Students</b></p> <p><b>Shellfish Biosensors: Improving Environmental Monitoring Through the Use of Organisms</b></p>
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AFTERNOON SESSION I  
2:15 PM - 3:30 PM

ROOM 3	ROOM 4	ROOM 5A	ROOM 5B
<p><b>Air Monitoring Technologies</b></p> <p><b>Moderator: Sam Petersen</b> Environmental Affairs Specialist, UCSD</p> <p><b>Bill Brick</b> Chief of Departmental Operations, Monitoring and Technical Services Division, San Diego APCD</p> <p><b>Andrea Polidori</b>, Ph.D. Atmospheric Measurements Manager, SCAQMD</p> <p><b>Jenny Quintana</b>, Ph.D., MPH Professor and Graduate Advisor for MPH and MS School of Public Health, San Diego State University</p>	<p><b>Water Quality Treatment Innovation</b></p> <p><b>Moderator: Ed Othmer</b> California Stormwater Sector Leader, Stantec</p> <p><b>Bio Clean, A Forterra Company</b></p> <p><b>StormwaterRx LLC</b></p> <p><b>WaterTectonics</b></p>	<p><b>Hazardous Waste Generator: To Test or Not To Test - Inside Information from the Lab and Regulators</b></p> <p><b>Moderator: Joe Hess</b> Associate Director, EH&amp;S, Gilead Sciences, Inc.</p> <p><b>James Kapin</b> Manager, EM Services, ACTenviro</p> <p><b>John Misleh</b> Program Coordinator, Dept. of Environmental Health, Hazardous Materials Division, County of San Diego</p> <p><b>Gretchen Welfinger</b> Technical Manager, Metropolitan Solutions</p>	<p><b>Sustainability Reporting</b></p> <p><b>Moderator: Doug Casey</b> Sr. Manager, EH&amp;S &amp; Product Compliance, Callaway Golf Company</p> <p><b>Molly Cartmill</b> Director of Corporate Responsibility, Sempra</p> <p><b>Doug Kot</b> Head of Section, Sustainable Buildings and Communities, DNV GL</p> <p><b>Lynn Xia</b> Sector Analyst, Consumer Goods and Food &amp; Beverage Sectors, Sustainability Accounting Standards Board</p>

3:30 PM - 3:45 PM | Snack Break

Exhibit Hall

## Thursday, September 27 (continued)

ROOM 3	ROOM 4	ROOM 5A	ROOM 5B
<p><b>AB 617 Community Action Plan Panel Discussion</b></p> <p><b>Moderator: Rebecca Davies</b>, REM Environmental Health &amp; Safety Engineer, Staff, Qualcomm, Inc.</p> <p><b>Jon Adams</b> Assistant Director, San Diego APCD</p> <p><b>AC Dumauil</b> Supervising Physical Scientist, NAVFAC Southwest</p> <p><b>Jenny Quintana</b>, Ph.D., MPH Professor and Graduate Advisor for MPH and MS School of Public Health, San Diego State University</p>	<p><b>Water Policy</b></p> <p><b>Moderator: Jeremy Jungreis</b> Senior Counsel, Rutan &amp; Tucker</p> <p><b>Trudi Hughes</b> Government Affairs Director, California Food Producers</p> <p><b>Timothy M. Ross</b>, Ph.D., PG, CHG Department of Water Resources, Southern Region</p> <p><b>Jeff Stephenson</b> Principal Water Resources Specialist, SDCWA</p>	<p><b>E-Manifesting and Hot Topics from DTSC</b></p> <p><b>Moderator: April McGinley</b> Environmental Health &amp; Safety Supervisor, HII San Diego Shipyard Inc</p> <p><b>Marlicia Jauregui</b> Business Operations Unit Manager, DTSC</p> <p><b>John Muegge</b> Hazardous Substances Engineer, DTSC</p> <p><b>Andy Smith</b> Senior Consultant, Environmental Resource Center</p>	<p><b>Working with Labs: Practical Tips for Better Data and Decisions</b></p> <p><b>Moderator: Marilyn O'Neill</b> Special Projects/Adviser, Montrose/Nautilus</p> <p><b>Peter Arth</b> Laboratory Director, Enthalpy-Nautilus</p> <p><b>Adrienne Cibor</b> Senior Project Manager, Enthalpy-Nautilus</p> <p><b>Karl Lany</b> District Manager, Montrose Air Quality Services</p>

5:00 PM - 6:30 PM | Cocktail Reception

Exhibit Hall

## Friday, September 28

7:00 AM - 7:45 AM | Registration and Breakfast

Exhibit Hall

<p><b>BLUE SKY AWARDS</b> Presented by <b>Bob Kard</b>, Director, SDAPCD</p> <p><b>Regulators of the Year Award:</b> <b>Jon Adams</b>, Assistant Director, San Diego APCD <b>Maryam Dorsey</b>, Former Chief, Dept. of Environmental Health, Hazardous Materials Division, County of San Diego</p>	<p><b>WATER INNOVATION AND EFFICIENCY AWARD</b> Presented by <b>Jim Madaffer</b>, Vice Chair, SDCWA</p> <p><b>MORNING PLENARY SESSION</b> <b>No One is Fiddling While California Burns</b></p> <p><b>Greg Vlasek</b>, Assistant Secretary for Local Program Coordination and Emergency Response, CalEPA</p>
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7:45 AM - 9:00 AM

MORNING SESSION I  
9:15 AM - 10:30 AM

ROOM 3	ROOM 4	ROOM 5A	ROOM 5B
<p><b>AB 617 - More than Community Action Plans</b></p> <p><b>Moderator: Lori Haase</b> Prin. Environmental Engineer, EHSS, Solar Turbines Inc.</p> <p><b>Dave Edwards</b> Air Resources Supervisor II, California Air Resources Board</p> <p><b>Jim Swaney</b> Chief of Engineering, San Diego APCD</p> <p><b>Vicki White</b> Technology Implementation Manager, SCAQMD</p>	<p><b>Water Conservation Innovation</b></p> <p><b>Moderator: Elise Goldman</b> Associate Resource Specialist, MWD</p> <p><b>Hydro-Convergent Technologies Inc.</b></p> <p><b>Desalitech</b></p> <p><b>WaterTectonics</b></p>	<p><b>Environmental Compliance Challenges and Impacts to the Cannabis Industry</b></p> <p><b>Moderator: Danielle Kerper</b> Geologist, Geosyntec Consultants</p> <p><b>Jayne Joy</b> Assistant Executive Officer, Santa Ana Regional Water Quality Control Board</p> <p><b>Sam LoForti</b> Principal, Nu Consulting Services</p> <p><b>Jessica C. McElfresh</b> Attorney-at-Law, McElfresh Law, Inc.</p>	<p><b>Industrial Energy Efficiency</b></p> <p><b>Moderator: Margaret Gregory</b> Environmental Coordinator, General Atomics</p> <p><b>Todd Cahill</b> Director of Business Services, SDG&amp;E</p> <p><b>Renee Yarmy</b> Program Manager, Energy &amp; Sustainability, Port of San Diego</p> <p><b>Jerry Yaddgo</b> Sr. Staff Facilities Engineer, Illumina, Inc.</p>

10:30 AM - 10:45 AM | Coffee Break

Exhibit Hall

MORNING SESSION II  
10:45 AM - 12:00 PM

ROOM 3	ROOM 4	ROOM 5A	ROOM 5B
<p><b>Mobile Source Update</b></p> <p><b>Moderator: Jorge Rodriguez</b> Senior Engineer, M. S. Hatch Consulting</p> <p><b>Randy Opfer</b> Air Pollution Specialist, California Air Resources Board</p> <p><b>Tim Wolff</b> Senior Inspector, San Diego APCD</p> <p><b>Nick Cormier</b> Air Quality Specialist, San Diego APCD</p>	<p><b>Fundamentals of Water Compliance</b></p> <p><b>Moderator: Laura Carpenter</b> Hydrologist, Brown and Caldwell</p> <p><b>Kathleen Harrison</b> Principal, Geosyntec Consultants</p> <p><b>Randy Olms</b> Sr. Environmental Engineer, GKN Aerospace Engine Systems</p> <p><b>Sean Porter</b> West Region Stormwater Program Manager, Apex Companies, LLC</p>	<p><b>Inspector Update: Latest and Greatest right from the Inspector's Mouth</b></p> <p><b>Moderator: Cliff Hanna</b> Environmental, Health &amp; Safety Manager, General Atomics</p> <p><b>Darcy Davidson</b> Supervising Deputy Fire Marshal, City of San Diego</p> <p><b>William Jacques</b> Program Coordinator, San Diego APCD</p> <p><b>Kelly Robertson</b> Supervising Environmental Health Specialist, Dept. of Environmental Health, Hazardous Materials Division, County of San Diego</p>	<p><b>The Science Behind Climate Change</b></p> <p><b>Moderator: Erik Anderson</b> Environment Reporter, KPBS</p> <p><b>Jennifer Barks</b> Associate, Kelley Drye &amp; Warren LLP</p> <p><b>Dr. Helen Fricker</b> Professor, Scripps Institute of Oceanography</p>

12:00 PM - 12:15 PM | Lunch Break

Room 3	Room 3
<p><b>San Diego APCD Dispersion Modeling Technical Presentation</b></p> <p><b>Andrew Bernabe</b> Air Pollution Control Engineer, San Diego APCD</p> <p><b>Yaping Zhang</b> Air Pollution Control Engineer, San Diego APCD</p>	<p><b>Air Permitting 101 Workshop</b></p> <p><b>Moderator: James Westbrook</b> President, BlueScape Environmental</p> <p><b>Jim Dill</b>, Partner, ERM</p> <p><b>Massie Hatch</b>, Principal Engineer, M. S. Hatch Consulting</p> <p><b>Sam Petersen</b>, Environmental Affairs Specialist, UCSD</p> <p><b>Jim Swaney</b>, Chief of Engineering, San Diego APCD</p>

AFTERNOON SESSION I  
12:15 PM - 12:45 PM

1:00 PM - 3:30 PM