

NAVIGATING OUR FUTURE: FROM WASTE TO RESOURCES

WELCOME COLLEAGUES!

On behalf of the California Chapters of the Solid Waste Association of North America, I am delighted to welcome you to the 53rd Annual **Western Regional Symposium and Trade Show**. For over half a century, the SWANA California Chapters have presented the premiere waste management and recycling Symposium in the nation.

This year's will be the best ever. We have chosen a theme that cuts to the very core of what we do as professionals; we draw it from our international organization's Mission Statement. Our industry is in the midst of dramatic change as natural resources are stretched thinner, public health and environmental protection move to the forefront of policy discussion and awareness, and technological change accelerates all around us. SWANA members chart the course, trim the sails, and hold the rudder. *We are* "**Navigating Our Future, From Waste To Resources**."

By being here this week you are a leader in this effort and a member of this team. Take advantage of the experience. Around you are the best and brightest, with countless decades of know-how, often learned the hardest of ways. Especially share time with, and thank, our exhibitors, sponsors, speakers, and volunteers; their commitment to this Symposium made it possible.

Tim Flanagan, President of SWANA and Zoe Heller, Deputy Director of Policy at CalRecycle join us this year as Keynote Speakers. We are excited and grateful they can share this time and their insights with us here in beautiful Monterey, California.

Finally, thank YOU for attending Western Regional Symposium and supporting the California Chapters of SWANA. Our members, friends, and colleagues make this event the best this industry has to offer!

James Moore
Symposium Chair

ACKNOWLEDGEMENTS

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Young Professionals Representative Will Rice and Members / Former GRC Board Members Larry Sweetser and Tim Raibly have also been instrumental in putting together this Symposium.

GENERAL INFORMATION

Registration
The registration center will be located in the Foyer area of the Hyatt Regency Conference Center. Registration will be open on the following schedule:

2:00 pm – 5:00 pm	Sunday, April 2
9:00 am – 6:00 pm	Monday, April 3
7:00 am – 4:00 pm	Tuesday, April 4
7:00 am – 6:00 pm	Wednesday, April 5
7:00 am – 10:00 am	Thursday, April 6

All symposium participants must register and wear their name badge for admission to the technical sessions, trade show and special events. In addition, please bring your attendee badge to all meals.

Additional Tickets
All pre-paid tickets for meals and special events will be included in your registration packet at check-in. Additional tickets may be purchased for all meals and special events (space permitting) at the registration center.

Golf Tournament
The 2023 Western Regional Symposium Golf Tournament will be at Del Monte Golf Course, located at 1300 Sylvan Road, Monterey CA 93940. The shotgun start is 8:00 A.M. and the format will be a 4-person scramble. You can register on our web site, at the registration center or at the golf course. The golf course is conveniently located at the hotel.

Tours (2 PDHs each)
This year's Symposium will be offering two concurrent tours of ReGen Monterey's state-of-the-art solid waste management facility. It is located at 14201 Del Monte Blvd, Salinas, CA, 93908. Tours are from 10am to noon Monday April 3. The two tours are of the Materials Recovery Facility and the Composting Facility respectively. Participants will drive to the facility themselves and contact Kristin O'Hara at (650) 454-6178 upon arrival. Space is limited so you must register for the tour.

ReGen Monterey is a leader in environmentally sustainable waste management, serving coastal Monterey County from Big Sur to Moss Landing. Their services include recycling, composting, landfilling, household hazardous waste, and landfill gas-to-energy. The ReGen Monterey facility is one of the state's most advanced facilities.

Monday Night Reception
There will be a Welcome Reception from 5:30 pm to 7:30pm in the exhibit hall. Please join us for drinks and hors d'oeuvres while cruising through the exhibit hall. We will have 38 exhibitors and vendors presenting the latest in technology and services. Also stop by the Recent Research booths to see posters highlighting academic work related to our industry.

Trade Show
There will be 38 exhibitors on hand to show you the most up to date products and services in our industry. The trade show is in the Regency Grand Ballroom from:

Monday	5:30 pm – 7:30 pm
	(During the Welcome Reception)
Tuesday	10:00 am – 1:00 pm
Wednesday	11:00 am – 3:00 pm

Wednesday Night Networking Reception
Our Wednesday Night Networking Reception will highlight the fabulous food offered by the Hyatt Regency Monterey. Hyatt Regency Monterey is renowned for world class dining.

Professional Development Hours (PDH's)

PDHs are the new CEUs. This year's Symposium features a fantastic slate of speakers and topics. Our exciting technical session, as well as the tours mentioned above, offer PDH credits. PDH forms are available at the registration center. A SWANA Northern California Gold Rush Chapter Board Member must sign the form, and you must submit the form to SWANA, in order to receive PDH credit.

A special thanks is hereby extended to the talented and experienced professional who took the time to craft these presentations and share their experience with Symposium attendees. Their names are identified in the Daily Program below. Thank you all!

2023 SWANA Western Regional Symposium
Week at a Glance

Sunday April 2, 2023

2pm-5pm	Registration Desk Open	
2pm-5pm	Exhibitor Move-In	

Monday April 3, 2023

8am-12pm	Golf Tournament	
8am-4pm	Exhibitor Move-In	
9am-6pm	Registration Desk Open	
10am-noon	Facility Tours – ReGen Monterey – MRF or Composting	
530pm-730pm	Welcome Reception – Exhibit Hall	

Tuesday April 4, 2023

7am-4pm	Registration Desk Open	
7am-830am	Breakfast / Morning Roundtables	
8am-5pm	Certification Courses – Zero Waste and Composting – Spyglass 1 and 2	
9am-10am	Keynote Speaker Tim Flanagan, SWANA President	
10am-1pm	Exhibit Hall Open	
12pm-1pm	Lunch on Exhibit Hall floor	
130pm-245pm	Per and Poly Fluoroalkyl Substances	Zero Waste for Solid Waste Executives
3pm-430pm	Innovative Contracting	Circular Economy

Wednesday April 5, 2023

7am-6pm	Registration Desk Open	
7am-830am	Breakfast / Morning Roundtables	
8am-5pm	Certification Courses – Zero Waste and Composting – Spyglass 1 and 2	
830am-945am	SB 1383 Compliance Tracking	Water, Water, Everywhere
10am-1115am	SB 1383 Procurement	Facility Design 1
11am-3pm	Exhibit Hall Open	
12pm-1pm	Lunch on Exhibit Hall floor	
1pm-2pm	Joint Chapters Meeting – Oak Tree 1-3	
2pm-315pm	Strategic Planning	Facility Design 2
330 pm -445 pm	Organics Planning	Facility Design 3
530pm-730pm	Networking Reception – Regency Foyer and Balcony	

Thursday April 6, 2023

7am-10am	Registration Desk Open	
7am-8am	Breakfast / Morning Roundtables	
8am-9am	Keynote Speaker Zoe Heller, CalRecycle	
8am-5pm	Certification Courses – Zero Waste and Composting – Spyglass 1 and 2	
915am-1030am	SB 1383 Outreach	Landfill Gas 1
1045am-12pm	SB 1383 Practice	Landfill Gas 2
1215pm-1pm	Lunch (For Certification Classes Only) – Oak Tree 1-3	



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2023 SWANA Western Regional Symposium
Daily Program

Sunday April 2, 2023

2pm-5pm	Registration Desk Open Hyatt Regency Monterey Foyer
2pm-5pm	Exhibitor Move-In Hyatt Regency Monterey Grand Ballroom

Monday April 3, 2023

8am-12pm	Golf Tournament Del Monte Golf Course 1300 Sylvan Road, Monterey Breakfast available at 7am
8am-4pm	Exhibitor Move-In continues Hyatt Regency Monterey Grand Ballroom
9am-6pm	Registration Desk Open Hyatt Regency Monterey Foyer
10am-noon	Facility Tours ReGen Monterey 14201 Del Monte Blvd, Salinas Material Recovery Facility *or* Composting Facility Contact Kristin O'Hara at (650) 454-6178 upon arrival
530pm-730pm	Welcome Reception Hyatt Regency Monterey Grand Ballroom, Foyer, and Terrace

Tuesday April 4th

7am-4pm	Registration Desk Open in the Hyatt Regency Monterey Foyer	
7am-830am	Breakfast and Morning Roundtables in the Hyatt Regency Ballroom IV	
	SB 1383 Edible Foods: Road map and assessment on edible food, building capacity; how are you meeting compliance and connecting the dots? with **Lisa Coehlo,** Recyclist	**Safety**: Collection vehicle hot load in rural communities with **Dr. Sam Vigil**; Safety topics with **Jaime Britt**; Facilitated by **Larry Sweetser,** Sweetser and Associates
8am-5pm	SWANA Certification Courses	
	Located in Spyglass 1 **Zero Waste Principles and Practices** Instructed by **Sarah Christine Bolton**	Located in Spyglass 2 **Managing Compost Programs** Instructed by **Matthew Cotton**
9am-10am	Introduction Keynote Speaker, **Tim Flanagan, SWANA President** Navigating Our Future from Waste to Resources: SWANA International perspective	
10am-1pm	Exhibitor and Trade Show Open in the Grand Ballroom	
12pm-1pm	Lunch in the Grand Ballroom	
130pm-245pm	Track 1A in Ballroom V **Per- and Poly-Fluoroalkyl Substances** "*EPA Plan 15 & PFAS - What it May Mean for Landfills*" **Patrick Stanford**, Coviana, LLC "*How Could PFAS Sneak Into Your Operations and Affect You?*" **Wes Younger** and **John Goetze**, Trinity Consultants "*Foam Fractionation – Brief History, Optimization Characteristics, and the Physiochemistry Required for Success*" **Nicole Bolea**, ECT2	Track 1B in Ballroom VI **Zero Waste for Solid Waste Executives** "*How these executives are working with their communities to implement the Zero Waste Approach*" Panel Discussion moderated by **Ruth Abbe,** Abbe and Associates with **Richard Anthony,** Richard Anthony Associates; **Leslie Lukacs,** Zero Waste Sonoma**;** and **Joe La Mariana,** RethinkWaste
3pm-430pm	Track 2A in Ballroom V **Innovative Contracting** "*Structuring a Successful Bio-Gas Beneficial Use Project*" **Rick Sapir**, Hawkins, Delafield & Wood "*Navigating Contract Management in an SB 1383 World*" **Karla Del Rosario**, HF&H Consultants	Track 2B in Ballroom VI **Circular Economy** "*Pilot Studies for Textile Reuse and Recycling in CA and Next Steps for Textile Recovery*" – **Nate Pelczar**, CA Product Stewardship Coalition "*Saving Local Government Money While Saving the Environment*" – **Terri Ryan**, PaintCare "*NSAC Legislative Update on Extended Producer Responsibility, Product Stewardship, and Building a Circular Economy*" – **Jordan Wells**, National Stewardship Action Council

Wednesday April 5th

7am-4pm	Registration Desk Open in the Hyatt Regency Monterey Foyer	
7am-830am	Breakfast and Morning Roundtables in the Hyatt Regency Ballroom IV	
	Zero Waste and the Circular Economy with **Ruth Abbe,** Abbe & Associates	**Organics Facility Design** with **Tim Raibley**, HDR
8am-5pm	SWANA Certification Courses in Spyglass 1 and 2 Zero Waste Principles and Practices and Managing Composting Programs	
8:30am-9:45am	Track 3A in Ballroom V **SB 1383 Compliance Tracking** **"***Ready, Set, Compliance Evaluation! Deconstructing the SB 1383 Implementation Record***"** **Anthony Luna,** Recyclist **"***Establishing SB 1383 Commercial Compliance in Sacramento County***"** **Alex Byrne,** Sacramento Co. DWMR	Track 3B in Ballroom VI **Water, Water, Everywhere** **"***Future Forward: Should You be Designing Drainage Facilities for More than the Minimum?"* **Lindsey Angell,** WSP **"***Successful Management of a Closed Landfill Cover***" Cortney Zellman-Grubbs and Lindsey Angell,** WSP
10am-11:15am	Track 4A in Ballroom V **SB 1383 Procurement** "*1383 Jurisdiction Compost Procurement and Use Strategies*" **April Hamud** and **Samantha Irwin**, HF&H Consultants "*Brokers to The Rescue: Meeting SB 1383 Procurement Targets Using Compost and Mulch in Agriculture and Rangeland Restoration*" **Bill Camarillo**, Agromin	Track 4B in Ballroom VI **Facility Design I** "*Need Landfill Expansion, but I May Not Have the Room or the Time: Technical and Operational Challenges When Stockpiling Over Closed Waste Management Units in a Hurry*" **Keith Schmidt** and **Ryan Schmidt**, WPWMA, and **Jeff Dobrowolski**, WSP "*Compost Operational Considerations to Expanding Infrastructure*" – **Cindy Liles**, HDR
11am-3pm	Exhibitor and Trade Show Open in the Grand Ballroom	
12pm-1pm	Lunch in the Grand Ballroom	

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Wednesday April 5th

1pm-2pm	Joint California Chapters' Meeting Oak Tree Rooms 1 - 3	
2pm-315pm	Track 5A in Ballroom V **Strategic Planning** "*Utilizing a Programmatic, Lifecycle Approach to Solid Waste and Recycling Facility and System Master Planning, Case Studies*" **Janet Goodrich** and **Jordan Norris**, Jacobs Engineering "*Processing Stations, Composting, and Anaerobic Digestion – Siting and Permitting Considerations based on recent Project Experience*" **Raj Rangaraj**, Yorke Engineering	Track 5B in Ballroom VI **Facility Design 2** "*Creating a Leachate Resistant Concrete Floor*" **Robert Swan**, HD Concrete Floors "*From Scale to Stakeholders: How to report on waste data accurately and efficiently. A case study from Denton Texas*" **Rocky Strong**, Strong Data
330 pm -445 pm	Track 6A in Ballroom V **Organics Planning** "*Food Scraps Program's Success Story*" **Deepti Jain**, City of Sunnyvale "*Strategic Planning and an Environmental Management System lead Chicago to Composting for High Quality Class A production*" **Dan Collins**, Biosolids and Environmental Management Consultant (MWRDGC – Retired)	Track 6B in Ballroom VI **Facility Design 3** "*Where Did the Plume Go? Geological and Geophysical Evaluation of PCE Plume Migration Potential, Carson City Landfill*," **Dean R. Stanphill**, PE and **Joseph E. McKinney**, Universal Engineering Sciences, Inc. "*Impacts of General WDR Updates to Region 2 Landfills in San Francisco*" – **Will Rice**, Enthalpy Analytical
530pm-730pm	Networking Reception in the Regency Foyer and Terrace	

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Thursday April 6, 2023

7am-10am	Registration Desk Open in the Hyatt Regency Monterey Foyer	
7am-8am	Breakfast and Morning Roundtables in the Hyatt Regency Ballroom IV	
	Construction and Demolition Debris: The nuts and bolts of policy and managing facilities with **Dave Ghirardelli,** Sacramento County	**Drone Technology at Landfills**: with **Philip Carrillo**; SCS Engineers
8am-9am	Keynote Speaker **Zoe Heller**, CalRecycle Deputy Director for Policy Development Navigating Our Future from Waste to Resources: A CalRecycle perspective	
8am-5pm	SWANA Certification Courses in Spyglass 1 and 2 Zero Waste Principles and Practices and Managing Composting Programs	
915am-1030am	Track 7A in Ballroom V **SB 1383 Outreach** "*Approach to SB 1383 Technical Assistance using an example from an ongoing project with the City of Alameda*" **Lauren Beauban**, and **Laura Johnson**, SCS Engineers "*Dirty Secrets: Insights from One Year of Route Reviews Across California*" – **Lydia Keenan**, Recyclist	Track 7B in Ballroom VI **Landfill Gas 1** "*Design and Analysis of Horizontal Collectors at Prima Deshecha Landfill*" **Soheil Afshari**, OCW&R "*What We've Learned About Drone Methane Monitoring Technologies*" – **Phillip Carrillo**, SCS Engineers, **Pete Ligorria**, San Bernardino County, and **David Wong**, OCW&R
1045am-12pm	Track 8A in Ballroom V **SB 1383 Practice** "*Embracing the Drivers of SB 1383: Compliance Data as Fuel for Meaningful Behavior Change*" **Lisa Coelho**, Recyclist & **Alan Ha**, City of Milpitas "*The challenges of implementing a door to door outreach, and cart tagging study in communities spread across a vast area of California's high desert and mountains*" **Kirk Kunihiro**, ReCreate	Track 8B in Ballroom VI **Landfill Gas 2** "*Low NOx Flare Projects*" **Chelsea Evans**, Tetra Tech "*Well Field Analysis Graph - An Innovation in Landfill Gas Data Analysis*" **Ray Huff**, SCS Engineers
1215pm-1pm	Lunch (For Certification Classes Only) – Oak Tree 1-3	

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Zero Waste Sonoma
Stanislaus County
Republic Services

Additional Acknowledgements

We owe a special Thank You to our Exhibitors in our Trade Show. When you see representatives of these companies, please share your thanks with them too. Without them, this Symposium would not be possible.

Geologic Associates
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WasteVision AI
Enthalpy
Strong Data Automation
Safe Fleet
Pronar North America
Greenleaf Power
Vulcan On-Board S
Corporate eWaste Solutions
California Resource Recovery Association
SWANA Founding Chapter

Last but certainly not least, we owe a great deal of gratitude to the volunteers who gave of their time to Moderate and Proctor our Technical Sessions and staff our Registration Table. In addition to many Gold Rush Chapter Board Members already identified above, the following volunteers kept the Symposium moving by serving in these capacities:

Zoe Shoats, Kristin O'Hara, Eric Palmer, Odalys Barajas, Adrianna Villegas, Cesar Zuniga, and many more who may have signed up for shifts since this Program was last updated. Thanks!