

TUESDAY OPENING PLENARY

Pacific Salon One, Two, Three

9:00 AM - 10:15 AM

Accelerating Food Recovery And Organics Recycling

Moderator: Nora Goldstein, BioCycle

Wasting Less Food:
Where We Are,
Where We Need To Go

Dana Gunders
Founder, Next Course,
Author, *Waste Free Kitchen Handbook*

Driving The
Resource Efficient Economy

Jigar Shah
President and Co-Founder,
Generate Capital

Coffee • Golden Ballroom • 10:15 AM - 11:00 AM

TRACK 1 Pacific Salon One

TRACK 2 Pacific Salon Two

11:00 AM - 12:15 PM

Unpacking SB1383 Methane Reduction Implementation

Moderator: Nora Goldstein, BioCycle

California Agencies' Perspectives
On New Organics Management Realities
Hank Brady, CalRecycle
David Mallory, California Air Resources Board

Feedstock Procurement, Preprocessing

Moderator: Victoria Ngo, CalRecycle

Multisite Comparative Feedstock Analysis And Mapping
Brett Hogarth, Ecostrat Inc.
Fats, Oils And Grease Pretreatment
William Smith, Springhouse Consulting
Integrating Food Waste Preprocessing
At Solid Waste Facilities
Jim Miller, JRMA Architects and Engineers

Buffet Lunch • Golden Ballroom • 12:15 PM - 1:45 PM

1:45 PM - 3:30 PM

Healthy Soils And Compost

Moderator: Robert Horowitz, CalRecycle

CDFA Healthy Soils Update —
Incentives And Demonstrations
Geetika Joshi, California Dept. of Food & Agriculture
Compost And Soil Microbial Communities
Radomir Schmidt, UC Davis Soil Microbial Ecology Lab
Soil Moisture Retention, Carbon Sequestration
Mary Matava, Agri Service, Inc.
Commercial Benefits Of OMRI Product Listing
Ron Alexander, R. Alexander Associates, Inc.

Project Financing, California Style

Moderator: Jandra Lubovich, Stifel, Nicolaus & Company, Inc.

• Teasing Apart The Capital "Stack"
For Anaerobic Digester Projects
• Greenhouse Gas Reduction Funding Success
• Creative Financing Mechanisms For Bioeconomy Projects
Panelists:
John Dannan, Generate Capital
Alex Byrne and **Brian Stalker**, CalRecycle
Mark Riedy, Kilpatrick Townsend & Stockton LLP
Greg Aguilar, Rabobank, N.A.

Refreshments • Golden Ballroom • 3:30 PM - 4:15 PM

4:15 PM - 6:00 PM

VOCs And Odor Emissions Control

Moderator: Nora Goldstein, BioCycle

Air Quality District Permitting Realities Within California
Crystal Reul-Chen, CalRecycle
Brian Clerico, CA Air Resources Board
Promoting Diversion, Minimizing Associated Air Impacts
Jim Swaney and **Angela Ortega**, San Diego Air Pollution
Control District
Facility Siting Utilizing Odor Modeling Tool
Wilbert Yang, Tetra Tech Canada

Renewable Natural Gas To Vehicle Fuel

Moderator: Nick Elger, U.S. EPA AgSTAR

LCFS, RIN Credits Valuation And Future Projections
Tim Olson, California Energy Commission
Technology Selection Criteria, Operational Lessons Learned
Joshua Rapport, CleanWorld
RNG — Lessons Learned From EPC Contractor
John Nelson, T.V. John & Son, Inc.

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Organics Recycling In The Age Of Methane Mitigation

Ken DaRosa
Chief Deputy Director, CalRecycle

Coffee • Golden Ballroom • 10:15 AM – 11:00 AM

TRACK 3 Pacific Salon Three

Organized by
ASSOCIATION OF
COMPOST
PRODUCERS

TRACK 4 Pacific Salon Four, Five

11:00 AM – 12:15 PM

Compost In Storm Water Management, Erosion Control Toolbox

Moderator: Craig Kolodge, Filtrex International

Integrating Compost Soil Amendment Into Local Codes And National Standards

David McDonald, Seattle Public Utilities

Approaching Specifiers To Expand Compost Markets

Ron Alexander, R. Alexander Associates

Compost Utilization Case Studies

Danielle Zhang, California Department of Transportation (CalTrans)

Craig Kolodge, Filtrex International

Scaling Edible Food Recovery

Moderator: Chris Cochran, ReFED

How Innovators Move The Needle In Food Recovery

Chris Cochran, ReFED

Innovator Panel:

Edible Food Recovery And Food Waste Recycling

Trailblazers

Barbara Hamilton, San Diego Food System Alliance

Nate Clark, Spoiler Alert

Chuck Samuelson, Kitchens For Good

Janice Tran, Generate Capital

Michael Martinez, LA Compost

Organized by
ReFED | Rethink Food Waste
Through Economics and Data

Buffet Lunch • Golden Ballroom • 12:15 PM – 1:45 PM

1:45 PM – 3:30 PM

Composting Realities In California

Moderator: Jorge Montezuma, Sanitation Districts of LA County

State of the State — Infrastructure And Markets

Jeff Ziegenbein, Inland Empire Utilities Agency

Panel Discussion:

Permitting Bioprocessing Facilities In California

Melissa Fischer, Tulare Lake Compost

Paul Ryan, P.F. Ryan and Associates

Fostering Dialogue Among Industry Stakeholders

Dan Noble, Association of Compost Producers

K-12 School Food Recovery And Recycling Roadmap

Moderator: Kyle Pogue, CalRecycle

• ABCs Of California Laws Impacting K-12 Schools

• Edible Food Capture, Food Sharing Guidance

• Food Recovery And Recycling: K-12 Case Studies

Panelists:

Martine Boswell, CalRecycle

Ashley Osterman, CA Dept. of Education

Nancy Deming, Oakland (CA) Unified School District

Janet Whited, San Diego (CA) Unified School District

Diane Hazard, Solana Center for Environmental Innovation

Refreshments • Golden Ballroom • 3:30 PM – 4:15 PM

4:15 PM – 6:00 PM

Building Robust, Reliable California Compost Markets

Moderator: Dan Noble, Assoc. of Compost Producers

Expanding Compost Markets in California — Challenges And Opportunities

Dan Noble, Association of Compost Producers

On-Site Sampling, Monitoring For Contaminant Limit Compliance

David Crohn, University of California Riverside

Panel Discussion:

Investments To Tap Emerging Compost Markets

Reece Hammer, Recology Environmental Solutions, Inc.

Will Bakx, Sonoma Compost

EPA, Local Agencies Advance Food Recovery And Recycling

Moderator: Lorenzo Macaluso, Center for EcoTechnology

Measurement Tools To Prevent Wasted Food

Andre Villasenor, U.S. EPA

Greening Commercial Organics Stream To Control Contamination

Tim Goncharoff, County of Santa Cruz (CA)

Strategies To Optimize Food Recovery, Meet Organics Recycling Mandates

Michael Wonsidler, County of San Diego (CA)

Sarah Davis, City of Oceanside (CA)

Ana Carvalho, City of San Diego

BIOCYCLE WEST COAST 18

ACCELERATING ORGANICS RECYCLING

MARCH 26, 27, 28, 29, 2018 • SAN DIEGO, CALIFORNIA

NOTE: Speaker biographies are listed alphabetically beginning on page 22. Keynote speaker biographies appear on page 9.

Tuesday March 27, 2018

TRACK 1 Pacific Salon One

8 : 3 0 A M - 9 : 4 5 A M

Composting Facility Management

Moderator: Frank Franciosi, US Composting Council

**Certified Compost Operations Managers:
Progress Report And Future Plans**
Cary Oshins, U.S. Composting Council

BMPs For Facility Permitting Success
Cynthia Liles, Clements Environmental Corp.

**Impact Of Feedstock Processing
On ASP Composting Performance**
David Girard, Peterson Corp.

TRACK 2 Pacific Salon Two

Biosolids Recycling In A Post-Disposal Era

Moderator: Tim Hall, CalRecycle

**Processing And Application Methods' Impacts
On Crop Nutrient Use Efficiency**
Michael Boh, McGill University

Proactive Partnerships To Manage California Biosolids
Greg Kester, California Association of Sanitation Agencies

**State Of The Knowledge —
Perfluorooctanoic Acids (PFOAs)**
Sally Brown, University of Washington

Coffee • Golden Ballroom • 9:45 AM - 10:30 AM

10:30 AM - 12:15 PM

Contaminant Management

Moderator: Carla Castagnero, AgRecycle

**Cost Of Contamination —
A Composter's Reality**
Francesca San Diego, Agri Service, Inc.

Contaminant Removal Efficiencies
Matthew Cotton, Integrated Waste Management Consulting, LLC

Compost Quality Standard Compliance
Luc DeBaere, OWS, Inc.

Grit And Inert Contaminant Of AD Feedstocks
Ryan O'Loan, CDEnviro

Renewable Natural Gas — Projects And Pipeline Interconnections

Moderator: Nick Elger, U.S. EPA AgSTAR

Biogas Treatment And Upgrading Technologies
Christine Polo, Black & Veatch

On-Farm Aggregation Project Achieves Economies Of Scale
Gus Simmons, Cavanaugh & Associates

Biomethane Pipeline Injection Best Practices
Brian Gannon, Biogas Energy

Natural Gas Utility In Denmark Shifts To Biogas
Hans Andersen, Nature Energy A/S

Buffet Lunch • Golden Ballroom • 12:15 PM - 1:45 PM

1:45 PM - 3:30 PM

Organics Recycling Policies Assessment

Moderator: Nora Goldstein, BioCycle

**Regulating, Managing Biowaste In The Netherlands:
A 25-Year Perspective**
Martin van Nieuwenhoven, Netherlands Ministry of
Infrastructure & Water Management

Anaerobic Digester Infrastructure & Related Policies
Troy Weber, CalRecycle

SB 1383 Market Analysis
Tim Hall, CalRecycle

**Merging A Diversion Goal With A Methane Reduction Goal
— An Industry Perspective**
Veronica Pardo, California Refuse Recycling Council

Anaerobic Digestion Facility Optimization

Moderator: Craig Frear, Regenix

Managing High Nitrogen Digestate
Harold Leverenz, University of California, Davis

**Food Waste Codigestion Impacts
On Treatment Plant Operations**
Michael Hyatt, East Bay Municipal Utility District (CA)

Enhancing Performance Of Food Waste Only Digester
Alan Johnson, quasar energy group

Electricity Generation Efficiency And Biogas Storage
Dimas Aditya Philipinanto, Ohio University

Refreshments • Golden Ballroom • 3:30 PM - 4:00 PM

4:00 PM - 5:30 PM

Closing Roundtable I

Accelerating Organics Recycling Infrastructure Development

Moderator: Nora Goldstein, BioCycle

Panelists:

Howard Levenson, CalRecycle

Greg Kester, California Association of Sanitation Agencies

John Dannan, Generate Capital

Renee Robertson, City of San Diego

Nick Lapis, Californians Against Waste

Closing Roundtable II

Accelerating Edible Food Recovery

Moderator: Ana Carvalho, City of San Diego

Panelists:

Mike Learakos, Waste Not Orange County

Kyle Pogue, CalRecycle

Nate Clark, Spoiler Alert

Lorenzo Macaluso, Center for EcoTechnology

Monica White, Edgar & Associates, Inc.

TRACK 3
Pacific Salon Three

TRACK 4
Pacific Salon Four, Five

8 : 3 0 A M - 9 : 4 5 A M

**Behavior Based Strategies
To Keep Compostables Out Of Trash**

Moderator: Nate Clark, Spoiler Alert

Information-Intensive Programs

vs. Social Science Based Tools

Jennifer Tabanico and **Kaitlin Phelps**, Action Research

**Applying CBSM To Outreach Programs To Change Food
Waste Behavior**

Jennifer Tabanico and **Kaitlin Phelps**, Action Research

**Residential And Commercial Organics Diversion —
Behavior Insights**

Current Research And Development

Moderator: Brian Stalker, CalRecycle

Advances In Biochar Products, Systems And Processes

Thomas Miles, US Biochar Initiative

**Mulch Mowing Leaves And Yard Debris —
What Does The Science Say?**

Mary Schwarz, Cornell Waste Management Institute

**Removing Excess Water From Digestate:
Thermodynamic Modeling**

Geoff Hill, Engineered Compost Systems

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10:30 AM - 12:15 PM

**Expanding Residential Collection Of
Food Waste And Compostable Packaging**

Moderator: Rhodes Yepsen, Biodegradable Products Institute

**BioCycle 2017 Residential Food Waste
Collection Access Study**

Virginia Streeter, Institute for Local Self-Reliance

Food Scraps And Packaging Acceptance By Composters

Hunt Briggs, Resource Recycling Systems

**Strategies To Increase Collection Access
And Close Infrastructure Gaps**

Panel Discussion:

Lynn Dyer, Food Service Packaging Institute

Hunt Briggs, Resource Recycling Systems

Virginia Streeter, Institute for Local Self-Reliance

**AD Project Development —
Assessing The Options**

Moderator: Michelle Slocombe, CalRecycle

King County (WA) Anaerobic Digestion Feasibility Study

Tim Raibley, HDR

**Warranties, Credible Performance Measures
And Contract Pitfalls**

Robin Szmids, Target Renewables Ltd.

**Hauler, System Vendor Partnership Yields Feedstock
And Facility Financing**

Thomas Gratz, Hitachi Zosen Inova USA

**Public/Private Codigestion Partnership At Ontario
Treatment Plant**

Michael Theodoulou, Suez Water Technologies & Solutions

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1:45 PM - 3:30 PM

Residential Organics Collection Case Studies

Moderator: Rhodes Yepsen, Biodegradable Products Institute

Curbside Organics Collection — Lessons Learned

Emlea Chanslor, Austin Resource Recovery/City of Austin (TX)

Amy Slagle, Litter Abatement, City of Austin

Sam Angoori, Austin Resource Recovery/City of Austin

Increasing Voluntary Green Bin Participation

Cari Rastas Howard, Region of Waterloo, Ontario

Door-To-Door Campaign Yields 70% Organics Diversion

Tamara Shulman and **Melissa Nielson**, Tetra Tech Canada

Boosting Organics Diversion

At Apartment Building Complex

Mark Williams, BioBag Americas, Inc.

Community Needs, Composting Solutions

Moderator: Erik Martig, Conscious Compost

Community Composting Solutions

Erik Martig, Conscious Compost

**“Extreme Composting” Solves Emergency Sanitation
At Standing Rock**

Alisa Keeseey, Givelove

**Island Solution: Food Recovery, Composting
On Martha’s Vineyard**

Lorenzo Macaluso, Center for EcoTechnology

On-Site Composting At Early Adopting Businesses

Jessica Toth, Solana Center for Environmental Innovation

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4:00 PM - 5:30 PM

Wednesday March 28, 2018