Developing a Sustainable Organics Recovery Sector
A Forum for Sharing Strategies and Building Toward a Regional Consensus

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Context

- GHG + Waste Reduction Goals
- Growth of Recovery Operations
- Sustainable Development of California Bio-economy
Motivators

- Health Protection
- Knowledge Growth
- Sustainable Design
- Policy Consistency
Stakeholders for Regional Convening

36: Owners / operators of facilities

26: City and county government

15: Practice Leaders / Consultants / Trade Associations

13: Public Interest and Community-based Groups

12: Regionwide and State Agencies
(re)Use

Produce

Repurpose

 Recover

Dispose
(re)Use

Recover

Generation

Collection

Pre-Processing

Processing

Post-processing

Storage

Conversion

Application

Dispose
“Well-designed and Properly-functioning Facilities”

1. **Policy Toolkit**
   - CEQA guidelines
   - Rules
   - Permits
   - Enforcement
   - Incentives
   - Guidance + Data

2. **Life-cycle Thinking**
   - Supply chain assessment
   - Process flow estimation
   - Net GHG emissions analysis
   - Resilience planning

3. **Collaborative Design**
   - Neighbors / cities + counties
   - Agencies / cities + counties
   - Operators / cities + counties
   - Markets / cities + counties

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**Research**
- CEQA guidelines
- Rules
- Permits
- Enforcement
- Incentives
- Guidance + Data

**Ambient Monitoring**
- Emissions
- Odors
- Output
- Feedback

**Emissions Inventory**
- Stock pile
- Active pile
- Curing pile

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fenceline
Recovery Economy that Sustainably Reduces GHGs + Waste

- 50% by 2020 + 75% by 2025
- Methane Reduction without GHG Growth
- Robust Local Infrastructure and Resilient Supply Chains
- Healthy Regional and Neighborhood Air Quality
- Partnership and Ongoing Learning

Vision
Strategy

1. Support for Renewable Bio-economy
2. Development Assistance to Local Governments
3. Listening to and Engaging Community Concerns
4. Rules that Ensure Best Practices
5. Improved Emissions Data and Factors
6. Permitting Design Review that Limits Emissions
7. Recovery Economy that Sustainably Reduces GHGs + Waste

Support for Renewable Bio-economy

Development Assistance to Local Governments

Listening to and Engaging Community Concerns

Rules that Ensure Best Practices

Improved Emissions Data and Factors

Permitting Design Review that Limits Emissions

Recovery Economy that Sustainably Reduces GHGs + Waste
Event Structure: Six Discussion Stations

1. Building a Renewable Bio-economy
2. Developing Local Facilities
3. Getting to YIMBY
4. Anticipated Emissions Along the Supply Chain
5. Rules for Organics Recovery
6. Permitting Facilities
Event Schedule

1:30   Welcome + Presentation

2:00   Discussion Session (👥 at 2:25)

2:30   Discussion Session (👥 at 2:55)

3:00   Discussion Session (👥 at 3:25)

3:30   Report Back + Plenary Discussion

4:00   Planned Adjournment
Rules of Engagement

• Please help us balance participation across tables. If a table fills up, please try next session. (If need be, pull up a chair.)

• Please share your perspective. We are here to hear it, not judge it.

• Please be respectful of everyone else’s perspectives. We are here to hear them too.

• Please speak at a modest volume to keep the din down in this room.

• Please be thoughtful about the length of your comments so that discussion happens.

• Please take side conversations into the atrium. (There are treats out there.)

• Be REGIONable. Please think about way to help this system work overall.
<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>What You Should Learn</th>
<th>What You Should Share</th>
<th>Goals</th>
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</thead>
</table>
| **Getting to YIMBY: Building public consensus around organics recovery** | This highly interactive station starts with a map of Bay Area organics recovery infrastructure and encourage you to share your perspectives about it. | Air District community engagement and compliance/enforcement commitment.              | Your perspectives as a community member about organics recovery infrastructure.         | • Identify common community concerns about organic sites  
• Explain our nuisance response efforts |
| **Developing Local Facilities: Rightsizing, planning, and siting facilities in your community** | This station discusses the need for new organics recovery facilities in the Bay area and ways to plan their integration to minimize vehicle miles traveled. | Estimates of Bay Area organic diversion needs, number of facilities, facility types, and integration examples. | Your strategic perspective about rightsizing facilities and create compatible land uses in Bay Area communities. | • Express support for local facility development  
• Socialize the idea of facility rightsizing and savvy siting |
| **Building a Renewable Bio-economy: Strategies that help organics recovery supply chains create products and value** | This station takes a birds-eye view of recovery operations to contemplate how what we send down a supply chain can achieve its highest use. | A layered view of organic resource recovery and synergies that might maximize the aggregate value of recovered organics. | Your knowledge about market forces and thermodynamics that shape recovered organic products. | • Think about organics recovery in terms of regional economy  
• Strategize product and market development |
| **Rules for Organics Recovery: A preview and discussion of our developing regulations** | This station provides an overview of our conceptual framework for organic material tracking, handling and composting. It relates these to our overall Methane Strategy. If needed, it provides a "Rule Development 101" overview. | A little about the Rule Development Process and where we are headed on the Composting front. | Your ideas and opinions on what we should emphasize in our Rule making efforts | • Receive feedback on our regulatory concepts  
• Help align our rules with those of CalRecycle and CARB |
| **Permitting Facilities: Ensuring air quality goals and consistency for recovery operations** | This table engages participants in discussion about some of the key questions involved in permitting organics recovery facilities. | Current permit requirements and opportunities for public participation. Impacts of differing permit circumstances. Our data gaps. | Suggestions for permit exemptions, assuring real emissions reductions, and for collaboration with other agencies. | • Agree on the value of early information sharing (i.e., during CEQA review).  
• Identify areas of partnership with other permitting agencies.  
• Discover ways to fill data gaps |
| **Anticipated Emissions Along the Supply Chain: A review of what we know** | This station looks across the value chain to reflect on anticipated emissions at each step and the state of our estimation of them. | A more detailed view of emissions and emission sources along the organics recovery supply chain. | Your knowledge about emissions, emission data, and source tests. | • Improvements in the combined knowledgebase about emissions along organics recovery supply chains. |
Questions?
(clarifications only please)