Denver Waste No More Task Force

Meeting #2: Phasing-In WNM Requirements to Maximize Success
April 6, 2023
Agenda

2:00  Welcome, Introductions + Agenda Review
2:25  Where We Are in Process + Recap of March Meeting
2:35  Current Market/Infrastructure *Realities*
3:10  Small Groups – What Are Key Opportunities for WNM Roll-Out?
3:50  Break
3:55  Full Group Discussion
4:35  Set Up Workgroups
4:55  Next Steps + May Meeting
5:00  Close
## Introductions - Task Force Members

| Ballot Sponsors                      | Vann Fussell, Compost Colorado  
|                                    | Ean Thomas Tafoya, GreenLatinos |
| Labor                               | Luis Ponce, SEIU |
| Multi-family building resident      | Marguerite Harden, Resident & HOA Member |
| Special Events                      | Andrea Furness, Classic Events Co.  
|                                    | Renee Ortiz, Eventful Productions |
| Commercial & Multi-Family Buildings | Jessy Aghababian, Unico Properties  
|                                    | Peggy Panzer, Laramar Group/AAMD  
|                                    | Stephen Shepard, Denver Metro BOMA |
| Food Waste Producers               | Holly Adinoff, Sullivan Scrap Kitchen  
|                                    | Allyson Gutierrez, Colorado Rockies Baseball Club  
|                                    | Sonia Riggs, Colorado Restaurant Association  
|                                    | Chris Woodburn, Denver Public Schools |
| Small business                      | Chris Chiari, Patterson Inn |
| Waste Haulers & Processors          | Christopher Berry, GFL Environmental  
|                                    | Erwin Galvan, Waste Management Recycle  
|                                    | Clinton Sanders, A Organics  
|                                    | Christi Turner, Scraps Ltd. |
| Construction Industry               | JW Houser, Taylor Morrison/Home Builders Assoc  
|                                    | Maggie Nichols, Iron Women Construction  
|                                    | Anna Perks, Perks Deconstruction |
| Environmental Advocate              | Ryan J Call, Eco-Cycle |
| Multi-Sector                        | Joshua Jackson, NAACP  
|                                    | Laurie Johnson, Circular Colorado |
| City Council Members                | Jolon Clark, District 7  
|                                    | Chris Hinds, District 10 |
Task Force Charge

Address implementation questions and clarify and recommend rules and regulations to present consensus recommendations to Council on:

- Adjusting the ordinance timeline
- Clarifying the compliance requirements
- Clarifying City’s enforcement mechanisms

as impacted agencies, ballot sponsors, City Council members, covered entities and other relevant stakeholders
WNM Covered Entities

- Multi-family residential 8+ units
- All buildings 5,000 SF+
- Special events
- Construction & demolition over 500 SF
- Food Waste Producers

Food Waste Producers
Including but not limited to:
- Grocery stores
- Food wholesalers, distributors, and manufacturers
- Food trucks
- Hotels
- Hospitals
- Sports venues
- Event centers
- Caterers
- Nursing & residential care facilities
- Office buildings with dining services
- Farmers markets
- Food shelves and food banks
- Colleges & universities with dining services
- Shopping centers
- Airports
- Golf clubs & country clubs
- Rental kitchens or shared commercial kitchens
- Restaurants
## Requirements of Covered Entities

<table>
<thead>
<tr>
<th>1. Provide access to <strong>on-site recycling &amp; composting</strong>&lt;br&gt;• Recycling must include paper, plastic bottles, aluminum cans, corrugated cardboard, cartons, glass bottles &amp; jars&lt;br&gt;• Compost must include organics&lt;br&gt;• Service must provide receptacles, collection, capacity, and storage areas</th>
<th><strong>Implementation Date (per ballot)</strong></th>
<th><strong>Covered entities</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>6/1/2022</td>
<td>Multi-family 75+ units Food trucks Special events</td>
<td></td>
</tr>
</tbody>
</table>

| 2. Provide **education** to employees, customers, tenants | 6/1/2023 | Multi-family 25-75 units Commercial 25,000+ SF Food waste producers 15,000+ SF All C&D |

| 3. Submit **annual recycling plan** to CCD | 6/1/2024 | Multi-family 8-24 units Commercial 5,000-25,000 SF Food waste producers 5,000-15,000 SF |

| 4. **Notify** CCD of change in collection service provider within 30 days of change | 6/1/2025 | All other commercial All other food waste producers |

| 5. Include recycling and compost in **janitorial contracts** | | |
Topics for Task Force to Address

**Implementation + Enforcement**
- Timing: Is it as simple as moving the timeline back 1 year?
- Phasing: Is the phasing per covered entity optimal? Are there tweaks needed?
- Market + infrastructure constraints: What are they, how/when will they change, how should we account for them in the ordinance?
- City structure and support: What do regulated entities need?

**Equity** – what supports are needed to ensure benefits and avoid negative impacts to under-resourced communities from the policy?

**Communication** – key concepts/principles for universal signage; messaging campaigns (informational, inspirational, who messages what and to whom?)

**Unintended Consequences** – e.g., how will truck traffic increase and how should we address it?

**Potential Non-Regulatory Recommendations**
- E.g., recommend allocating $X or X% of future EPR funds to support implementation
- E.g., impact on/need for additional regional infrastructure
## Draft Work Plan

<table>
<thead>
<tr>
<th>Meeting 1 - March</th>
<th>Intros + clarify purpose/scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meeting 2 - April</td>
<td>- Review relevant <strong>context</strong>; ID where we can/can’t <strong>account</strong> for external realities</td>
</tr>
<tr>
<td></td>
<td>- Discuss <strong>timelines</strong> + overall <strong>requirements</strong></td>
</tr>
<tr>
<td></td>
<td>- Set up <strong>workgroups</strong></td>
</tr>
<tr>
<td>Meeting 3 - May</td>
<td>- How do we ensure <strong>under-resourced</strong> communities/buildings are able to comply with / benefit from the ordinance?</td>
</tr>
<tr>
<td></td>
<td>- What other <strong>supports</strong> could be made available to help buildings comply?</td>
</tr>
<tr>
<td>Meeting 4 - June</td>
<td>- What does compliance + <strong>enforcement</strong> look like?</td>
</tr>
<tr>
<td>Meeting 5 - July</td>
<td>- <strong>ID principles for universal signage</strong>, effective messaging and community buy-in</td>
</tr>
<tr>
<td></td>
<td>- Confirm <strong>overall proposals thus far</strong>, e.g., timelines, communication protocols, materials requirements, funding, enforcement strategies</td>
</tr>
<tr>
<td></td>
<td>- Provide input for public engagement process</td>
</tr>
<tr>
<td>Meeting 6 - Sept</td>
<td>Incorporate public input + finalize recommendations</td>
</tr>
</tbody>
</table>
Group Norms

❖ Come **prepared**, having reviewed materials in advance.
❖ Serve as a **link** between Task Force + your networks/constituents/members.
❖ Please strive to be **concise** and on topic.
❖ Create an **inclusive** space for all to participate.
❖ Strive for **curiosity** and for **respectful, constructive** dialogue.
❖ Share your **interests**; avoid advocating for ‘positions’.
❖ Ask clarifying questions as we go; hold other topics/Qs for **discussion**.
❖ Please avoid interrupting.
❖ There are no dumb **questions**!
Zoom Norms

Task Force members
❖ Please mute microphone when not actively speaking.
❖ If there are clarifying questions, raise hand or put questions in chat.
❖ Questions/comments needing more discussion will be tracked and answered following the meeting.

Audience members
❖ Thanks for being here to observe! Please email sustainability@denvergov.org with questions and comments.
Recap of March Meeting + Framing Today’s Discussion
Survey Results: Meetings & Tours

- **Virtual / in-person**: Majority can meet in person but not all for every meeting. We will need a high quality hybrid option.
- **Landfill (DADS)** tours on April 14 or 21 - Gregg will send invites.
- Tours of WM MRF, A1 Organics & Compost Colorado are **TBD**.
Survey Results: Concerns

- **Recycling** seems to be available in about half of facilities of all types, but service frequency can be inconsistent.
- Very few entities have **compost** service.
- No real data on **cost impact** exists. Cost is already passed on to tenants/customers, estimates assume **doubling** current costs.
- There are differing opinions of who should be responsible for sorting/where sorting should be done.
- It’s not just consumer confusion; it’s also major **behavior change**.
- A minority of respondents commented that a **longer timeline** is needed.
Meeting 1 Recap - Phase-In Options

❖ Support for the voters’ intent/achieving 100% participation in ~4 years
❖ It may make sense to start with biggest producers first; potential alternative phasing strategies/concepts also discussed
❖ Clarity and simplicity are key for education and enforcement
❖ Subsequent meetings and work groups will dig into details and deliberate alternatives
Any clarifying questions/comments?
Current Market/Infrastructure Constraints + Potential Opportunities for WNM Roll-Out
Domestic Policies & Best Practices for Success

Blake Adams
Manager, Zero Waste and Circular Economy
My Background

I have spent the last 8 years leading Washington, DC’s zero waste efforts

I am thrilled to be in the position to advance the City & County of Denver’s zero waste & circular economy goals and look forward to collaborating!

**Notable Achievements**
- Increased the Residential Waste Diversion Rate from 20% to 30%
- Reduced Curbside Recycling Contamination by 33%+
- 2022 Resource Recycling Inc. - Program of the Year for Big Cities
- $105 M Capital Project to Build a Zero Waste Campus
- Zero Waste DC Plan (April ‘23) - Model for Domestic Planning
- Residential Curbside Composting Pilot (Summer ‘23)

**Expertise**
- Zero Waste Policy Development & Analysis
- Municipal Program Design & Implementation
- Infrastructure Development & Strategic Partnerships

Blake Adams
Manager, Zero Waste & Circular Economy
blake.adams@denvergov.org

CPM | LEED AP+ ND | ENV SP | LSS
B.S. Environmental Science
Rensselaer Polytechnic Institute

Msc. Environmental Science & Policy
Johns Hopkins University
Model Domestic Policies Relevant to Waste No More

Universal Recycling Ordinances
- Austin, TX (Phased)
- San Francisco, CA
- Boulder, CO

Organics Diversion / Landfill Bans
- New York City, NY
- Washington, D.C.
- Connecticut

C&D Deconstruction
- San Diego, CA
- Alameda County, CA
- Boulder, CO
- San Antonio, TX

Shared Obstacles
- High Contamination
- Lack of Capacity
- Paperwork / Studies / Bureaucracy
- Measuring Weight/Volume
- Measuring Progress / Reporting
- Enforcement Resources

Technical vs. Adaptive
- Infrastructure
- Supply Chains
- Labor Supply
- End Markets
- Access to Capital
- Technology
- Education & Outreach
- Training & Development
- Assistance & Incentives
- Partnerships
- Pilots & “Demo” Projects
- Inspection & Enforcement
## Comparing Implementation Phasing of Model US Policy

### Commercial Recycling

<table>
<thead>
<tr>
<th>Sq Ft</th>
<th>Denver</th>
<th>Austin</th>
<th>San Fran</th>
<th>Boulder</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>Tier 4</td>
<td>Tier 5</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>5k</td>
<td>Tier 3</td>
<td>Tier 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15k</td>
<td>Tier 2</td>
<td>Tier 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25k</td>
<td>Tier 1</td>
<td>Tier 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50k</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Residential Recycling

<table>
<thead>
<tr>
<th>Units</th>
<th>Denver</th>
<th>Austin</th>
<th>San Fran</th>
<th>Boulder</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>Tier 4</td>
<td>Tier 5</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>8-10</td>
<td>Tier 3</td>
<td>Tier 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Tier 2</td>
<td>Tier 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>Tier 1</td>
<td>Tier 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Commercial Organics

<table>
<thead>
<tr>
<th>Sq Ft</th>
<th>Denver</th>
<th>Austin</th>
<th>San Fran</th>
<th>Boulder</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>Tier 3</td>
<td>Tier 3</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>5k</td>
<td>Tier 2</td>
<td>Tier 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15k</td>
<td>Tier 1</td>
<td>Tier 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25k</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50k</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Residential Organics

<table>
<thead>
<tr>
<th>Units</th>
<th>Denver</th>
<th>Austin</th>
<th>San Fran</th>
<th>Boulder</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td></td>
<td></td>
<td></td>
<td>Tier 1</td>
</tr>
<tr>
<td>8-10</td>
<td>Tier 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Tier 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>Tier 1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

- There are many different approaches and options to phase-in universal access to recycling & composting.
- Comparisons to other localities are only so useful.

Phasing (tiers/years) should be informed jointly by:

- Housing / Property Stats
- Solid Waste Generation Data
- CCD Resources
Commonalities That Successful Zero Waste Policies Share

- Promote Optimal Zero Waste Behavior (Source Separation + Deconstruction -> Circular Economy)
- Tackle Organics, Recycling, & Contamination Together, All At Once -> Unified Enforcement Efforts
- Design Policy to Spur Investment in Supporting Infrastructure -> End-Markets
- Avoid Unnecessary Measurement, Feasibility Studies, Plans, & Reports -> Lean Processes
- Standardize Containers & Messaging
- Provide Financial & Technical Assistance Programs For Rapid Adoption
  - E.g. Financial; Grants, Zero-Interest Loans, Cost & Equipment Sharing Programs
  - E.g. Technical; Contracting Support, In-Person & Webinar Trainings, Learning Management Systems (LMS)
- Design Policies To Evolve With Markets & The Times
  - E.g. Ability to revise, expand List of Covered Entities & List of Covered Materials at-will
  - E.g. Build-in Waivers & Exemptions for Certain Businesses
Market / Infrastructure Realities

- Distributed Infrastructure
- Big haulers/processors
- Organics/Compost
- Construction and Demolition
Distributed Infrastructure

Jessy Aghababian, Unico Properties
Christopher Chiari, Patterson Inn
Peggy Panzer, Laramar Group
Stephen Shepard, BOMA
Key Challenges for WNM Implementation: Distributed Infrastructure - Biggest Constraints

- Existing footprint: Properties’ size & physical space
- Composting overall: User understanding, user execution
- Education: All levels, i.e., Haulers, Properties/Businesses Teams/Contractors and Tenants/Customers
- **Financial: Cost of compliance (labor, containers, spatial reconfiguration, cost of service)**
- Enforcement: Where & how does the ordinance stipulate penalties of non-compliance (e.g., when tenants fail to comply despite owner’s best efforts)
- **Hauler capacity - is there a plan to expand to meet demand?**
Potential Opportunities for Roll-Out: Distributed Infrastructure – SIMPLER to Achieve

- Education: must be clear & consistent, in various forms, and have goal of achieving perfect recycling and composting
- PR: Include, among other aspects, a target & focus on the streams that can be monetized, i.e., how products are being used on back-end to benefit community
- Phasing recommendation: Begin with organizations that
  - Have the potential to have the biggest impact (e.g., commercial space, other large venues),
  - Are most applicable industries (e.g., restaurants, grocery stores, basically those with controlled areas for results.) and/or
  - Are already recycling/composting
Potential Opportunities for Roll-Out: Distributed Infrastructure – HARDER to Achieve

- Physical space constraints & buildout required: Figuring out bin configurations to work for all three (trash, compost, recycle)
- Composting non-food items (e.g., paper towels) in businesses/buildings
- **Source of funds:** How to pay for one-time and ongoing expenses for buildout, sorting, bin transportation, additional hauling, contamination fees, education.
- Workforce impact: e.g., effect on janitorial teams & waste haulers
  - *Incentives/assistance? Lots of possibilities to consider*
  - Protections for employees against unreasonable workloads (e.g., ensuring 1 janitorial person is not expected to handle the job of 1.5 persons)
  - Union/non-Union considerations
- **Changes in acceptable materials/re-education** ("future-proofing")
- Enforcement / 100%, true buy-in
Key WNM constraints for Large-Scale Haulers/Processors

Erwin Galvan - Waste Management - MRF Manager II - egalvan@wm.com

Christopher Berry - GFL Environmental - Gov Contracts Manager - christopherberry@gflenv.com
Supply Chain and Work Force Challenges

- Lead time for purchase of trucks and containers can be lengthy (over 12 mo.).
- Determining the proper type of container (steel or plastic), correct container size, and frequency of pick-ups vital for early success.
- Adequate space for containers for drivers to safely service locations.
- Potential for continued industry-wide shortages of drivers, helpers, dispatchers, etc.
Infrastructure Challenges

- Capacity for processing increased volume of Single Stream Recycling isn’t a challenge at this time.
- Capacity for collecting and processing increased volume of organics is a continuous concern.
- Issues with logistics involved with moving organics to processing locations (time, cost, impact, etc.). Common acceptable standards. In flux.
- Contamination - goal of no more than 10%.
Opportunities for Success

► Education - must be simple and consistent for all residents and haulers.
► Phasing - necessary to increase the likelihood of early success - enable facilities to move at different rates within the process.
► Audits - on the ground audits to measure how facilities are doing, establish a baseline, focus education when contamination is high, and more accurately measure diversion.
► Pilot - Potential for pilot programs to meet the potential needs of leaders and early adopters. Replicate success.
Organics/Compost

Clinton Sanders, A1 Organics
Vann Fussell, Compost Colorado
Potential Opportunities for WNM Implementation

- **Lack of infrastructure**
  - Model regional infrastructure after Denver Water. Leverage FRWD funding. **Prioritize opening up a transfer station for haulers.**
  - Denver must change zoning code to align with CDPHE and facilitate more small-scale community-scale composting and AD. Model diverse infrastructure after NYC.

- **Lack of effective disposal/collection processes → contamination**
  - Postpone front of house composting; shouldn’t be allowed (like Boulder) until 2025.

- **Lack of understanding / education → contamination**
  - DPS is very understaffed for zero-waste. Funding for mailers, billboards, commercials, radio, and social media should prepared for multi-year campaign.

- **Lack of end markets, buy-back commitments**
  - All Denver parks must utilize compost amendments and have promotional signage
  - CASR’s CPF should issue annual RFPs for renewable AD bioenergy projects.
Key Challenges for WNM Implementation: Organics

Big Picture:

- **Sortation is the key to eliminate contamination in final processing and finish product production.**
  - Implementing requirements for sortation at the source.
  - Effective collection systems capable of rejecting unsorted materials, and/or that include intermediate second level sortation (transfer station).
  - Having adequate processing infrastructure (composting, anaerobic digestion, others) that includes sortation in place before implementing WNM (scalable).

- **Finish product markets in place before implementing WNM** (residential, commercial, municipal landscaping, agricultural, erosion control, stormwater management, parks & recreation, engineered soils, green roofs, etc.).

- **High-level and effective education/understanding for the generators.**
Potential Opportunities for WNM Implementation

- Leverage WNM ability where applicable to require presortation at generator source.
- Immediately implement a marketing program with benefits of the “the why”.
  - Educate/connect the dots for Denver residents: ‘Close the Loop’ between food-soil-health and understand the ‘end game’
  - GHG Avoidance, Carbon Sequestration, and Water Savings
  - Create incentives for diversion and fund compost rewards. Denver Water connection.
  - Get the message out - Community Supported - Community Successful
- Create funding opportunities / partnerships to offset cost for compost transportation and application for CO farmers (Restore Colorado).
- Denver must change zoning code to align with CDPHE and facilitate more small-scale community-scale composting and AD.
Other Ideas for WNM Implementation

● Consider rolling in compost slowly. Take time in the roll-out of WNM to:
  ○ Start small and simple (i.e., with recycling), build vocabulary and confidence/success
  ○ Create incentives for diversion and fund compost rewards. Denver Water connection.

● But how to do this while:
  ○ Getting used to a 3-bin system from the get-go
  ○ Urgency to do it right and not lose the confidence of the public
Construction and Demolition

Anna Perks, Perks Deconstruction
JW Houser, Taylor Morrison
Key Challenges for WNM Implementation: C&D (Deconstruction)

- Lack of contractor and homeowner knowledge about what’s recyclable/reusable
- Lack of non-profits that accept materials
- Nearest wood recycling facility is in Boulder
- Full house decon vs. traditional bulldozing is initially 3-8x more expensive (labor intensive), homeowners/contractors/develops have to rely on tax deductions
- Perceived negative impact on construction schedule
- Difficult to enforce and measure compliance
- Some materials aren’t readily accessible to separate and divert
- Lack of space for separating items in some areas
Potential Opportunities for WNM Implementation: C&D (Deconstruction)

- 30-40% of landfill consists of C&D material (90% from demolition projects) – huge opportunity to recover concrete/asphalt/wood/steel
- Scrap metal, clean wood, reusable salvage items, concrete/brick all have available end-markets in and around Denver
- Recycling clean concrete/brick/asphalt is free
- Tax deductions available for donating material
- Workforce training and green jobs
- Soft-Strip (cherry-picking high value items) can be just as cost competitive as normal demolition for remodel jobs
- Clarifying and defining reuse/salvage plan requirement
Key Challenges for WNM Implementation: C&D (Construction)

- Take-off errors
- Excess material
- Unsightly job sites
- Unsafe working conditions
Potential Opportunities for WNM Implementation: C&D (Construction)

Ways for construction industry to save money through waste reduction:

- Reductions in overhead
- Cost to haul and dump waste
- Cost to store excess material
- Cost to replace material due to theft/weather

Opportunities for reuse & recycling:

- Community enrichment projects
- Philanthropy or non-profit projects
- Second-hand materials suppliers
Need Task Force Input On...

What is the **optimal balance** for a phased roll-out that:

- gets to **full** implementation within a discrete number of years
- accommodates **realities** like market constraints, lack of space, consumer behavior, etc.
- aligns with the **principles** the Task Force has articulated
Guiding Principles (consolidated)

- Will of Voters
- Sustainable/Long-Term Success
- Equitable
- Cost-Effective
- Feasible
- Resilience/Adaptive
Ballot Initiative Timeline

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-family residential</td>
<td>Must ensure tenants and employees have access to on-site recycling and composting by:</td>
<td><strong>June 1, 2022</strong> for 75+ units</td>
<td><strong>June 1, 2023</strong> for 25-75 units</td>
<td><strong>June 1, 2024</strong> for 8-25 units</td>
<td></td>
</tr>
<tr>
<td>Non-residential buildings</td>
<td>Must ensure tenants and employees have access to on-site recycling services by:</td>
<td><strong>June 1, 2023</strong> for 25,000+ sq ft</td>
<td><strong>June 1, 2024</strong> for 5,000-25,000 sq ft</td>
<td><strong>June 1, 2025</strong> for &lt;5,000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Compostable Waste Producers</td>
<td>Must ensure that employees, contractors, and customers have access to on-site composting by:</td>
<td><strong>June 1, 2023</strong> for 15,000+ sq ft</td>
<td><strong>June 1, 2024</strong> for 5,000-14,999 sq ft</td>
<td><strong>June 1, 2025</strong> for &lt;5,000 sq ft</td>
<td></td>
</tr>
</tbody>
</table>
Potential Roll-Out Options

**Option A:**
Update Deadlines Only
- Categories, requirements, and measures would remain the same.
- Only Deadlines would be updated.
- Work groups would discuss options for the appropriate deadlines.
- Task Force would provide new recommended deadlines in report.

**Option B:**
Tweak Groups and/or Measures
- Requirements would remain the same, but the group could choose to tweak the definitions of parties or measures with updated deadlines.
- Work groups would discuss options for appropriate tweaks (like using tonnage instead of sq. footage).
- Task force would provide recommendations for improvements in report.

**Option C:**
Other Changes to Roll-Out
- The group could examine the categories, requirements, measures, and deadlines.
- Work groups would look at each aspect and discuss options (like modifying order of compliance).
- Task force would provide recommendations to alter any of the above timeline components.

All options would still require 100% participation within a certain number of years!
Questions?
Potential Roll-Out Options

Option A: Update Deadlines Only
- Categories, requirements, and measures would remain the same
- Only Deadlines would be updated
- Work groups would discuss options for the appropriate deadlines
- Task Force would provide new recommended deadlines in report

Option B: Tweak Groups and/or Measures
- Requirements would remain the same, but the group could choose to tweak the definitions of parties or measures with updated deadlines
- Work groups would discuss options for appropriate tweaks (like using tonnage instead of sq. footage)
- Task force would provide recommendations for improvements in report

Option C: Other Changes to Roll-Out
- The group could examine the categories, requirements, measures, and deadlines
- Work groups would look at each aspect and discuss options (like modifying order of compliance)
- Task force would provide recommendations to alter any of the above timeline components

All options would still require 100% participation within a certain number of years!
Quick Break

Return to screen in 5 minutes
Full Group Discussion
Workgroups
Purpose/role of workgroups

❖ Address **specific** topics that need to be clarified and/or fleshed out in the ordinance (or rules/regs)
❖ Discuss nuanced issues and **vet options** for TF consideration
❖ Maximize relevant **expertise** while preserving limited TF time
❖ **Nimble**, manageable discussion forum (ideally <8 people)
❖ **No** decision-making authority; **all** options reviewed by full TF
❖ Meet as **needed** – **some may meet once; others multiple times**
❖ Can invite **outside** experts as useful
❖ We can **add** workgroups as needed
How did we come up with proposed workgroups?

❖ Task Force suggestions
❖ Staff input on specific topics to be clarified or fleshed out in ordinance (or rules/regs)
❖ Agenda Design Group input

(in light of the work groups’ overall role/purpose discussed above)
Proposed Workgroups (for now)

1) Licensees and event holders
2) Apartments/office buildings
3) C&D operators/hauling and processing operators
4) Signage/education/communication
5) Equity
Lincensees and Event Holders

**Who:** Licensees and event holders (e.g. restaurants/events offering services to customers)

**Charge includes, e.g.:**

1. Who is responsible under the ballot initiative? Who should bear responsibility?
2. What’s required of each entity responsible under the ballot initiative?
3. Incentivizing Compliance
Apartments and Office Buildings

**Who:** Residential apartments, office buildings and businesses not required to be licensed in Denver (those offering services to tenants/complying with C&D avenues in renovations/construction)

**Charge includes, e.g.:**

1. Who is responsible under the ballot initiative? Who should bear responsibility?
2. What is required of each entity responsible under the ballot initiative?
3. Incentivizing Compliance
C&D operators/hauling and processing operators

Who: C&D operators, hauling and processing operators, and other commercial operators (doing C&D compliance with diversion)

Charge includes, e.g.:
1. Who is responsible under the ballot initiative? Who should bear responsibility?
2. What is required of each entity responsible under the ballot initiative?
3. Incentivizing Compliance
Equity

Who: Task Force members with specific interest/expertise/experience

Charge:

- What should be the Equity Lens for the Task Force + Work Groups?
- How is lens embedded throughout whole process and not siloed? (E.g., pose questions for other work groups to discuss as relevant)
- ID potential opportunities and recommendations for TF consideration related to support, incentives, and assistance to under-resourced buildings/communities and workers – to help ensure equitable implementation.
Signage/education/communication

Who: Task Force members with specific interest/expertise/experience

Charge includes, e.g.:

- What should be the universal symbols?
- How do we ensure consistent messaging across City?
- How does communication differ between customers, residents, tenants (waste producers) and personnel doing the sorting, processing, hauling.
Anything crucial you see missing for now?
Workgroup Sign-Up
Next Steps
Next Steps + Action Items

Task Force meets May 4, 2-5 pm @ Regional Air Quality Council, 1445 Market Street (with Zoom hybrid option)

❖ Equity
❖ Supports and Incentives

Homework (email Grace/Ryan)
❖ Sign up for work groups by 3 pm on Friday (tomorrow)
❖ Watch for workgroup meeting invites
❖ Watch for tour invites