













## Task II: Short Term Disposal and Diversion Options and Strategies (1 to 5 yrs) and Next Steps

CRCOG Policy Committee  
Presentation and Discussion

*March 22, 2023*



## System Assessment Drives Recommendations

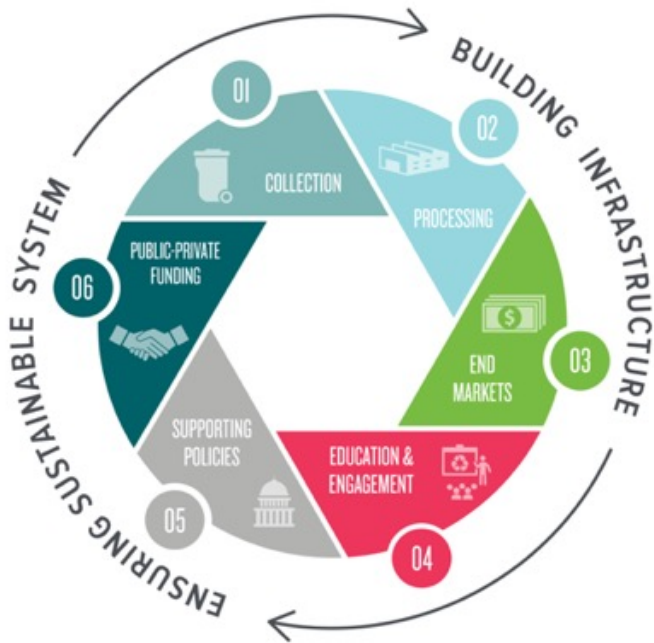
  <p><b>COLLECTION</b></p> <ul style="list-style-type: none"> <li>• Opportunities exist to increase recycling, food and yard waste access for single family, multifamily, and commercial sectors, and schools and institutions.</li> </ul>	  <p><b>PROCESSING</b></p> <ul style="list-style-type: none"> <li>• Additional transfer station and disposal capacity needed to meet waste generation rates.</li> <li>• Additional organics capacity needed to support food waste collection at scale.</li> </ul>	  <p><b>END MARKETS</b></p> <ul style="list-style-type: none"> <li>• Opportunities exist to grow compost markets and for a regional beneficiation facility for MRF glass.</li> <li>• Markets for hard to recycle materials unknown.</li> <li>• Local or state accelerators or incubators not identified.</li> </ul>
  <p><b>SUPPORTING POLICIES</b></p> <ul style="list-style-type: none"> <li>• Strong policies in place.</li> <li>• Opportunities exist for unit-based pricing, EPR for packaging, and increasing scope of businesses covered by food waste laws and amending distance requirements for food waste laws.</li> </ul>	  <p><b>EDUCATION &amp; OUTREACH</b></p> <p>Opportunities exist to:</p> <ul style="list-style-type: none"> <li>• Enhance outreach and education for all residential, multifamily, and commercial sectors.</li> <li>• Provide technical assistance</li> <li>• Enforce requirements for multifamily and commercial sectors.</li> </ul>	  <p><b>PUBLIC PRIVATE PARTNERSHIPS</b></p> <ul style="list-style-type: none"> <li>• Opportunities exist to grow public private partnerships and pursue grant funding to maximize program impact.</li> </ul>

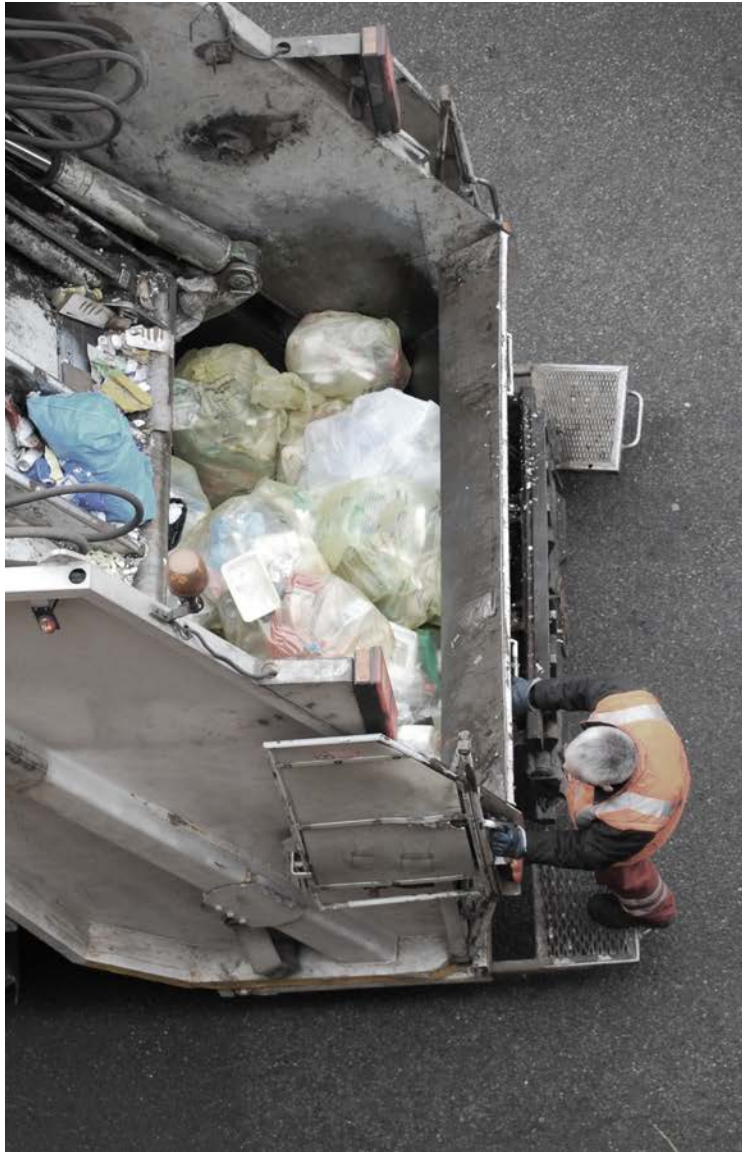
## Proposed CRCOG Goal

**Identify short- and long-term transport and disposal options to support cost-effective, environmentally sound waste disposal.**

**Put in place the plans and implementation mechanisms required to meet 60% diversion goal, including**

- performance standards
- funding mechanisms
- incentives
- long-term contracting structures
- vehicles for intergovernmental cooperation
- long term public private partnerships





# Priorities for Action

## **Waste Diversion Continuous Improvement**

- Organics (commercial/residential)
- Pay as you Throw (PAYT)
- Recycling of packaging and paper

## **Short Term Disposal Solutions**

- Market solutions for short term disposal (1 to 5 year)
- Procurement opportunities and constraints
- Operational issues and challenges





# Organizing for Action

## **Collaborating as Buyers/Operators**

- Co-design viable service approaches/specifications
- Organize as buyers of services within policy framework
- Establish governance and decision-making process
- Activate operations and continuous improvement
- Build foundation for long term sustainable solutions

## **Engaging the Market of Solution Providers**

- Understand service capabilities
- Initiate procurements for short/long term solutions
- Position for market-based decision making
- Implement with full community engagement
- Active management of solution partners

# Waste Diversion Initiatives

- **Organics (commercial/residential)**
  - Potential to divert 100,000+ tons (adds 14%+ diversion)
  - Business model – avoided waste collection/disposal
  - Processing capacity exists in the region
  - Collection partnerships needed to activate
- **Pay as You Throw (PAYT)**
  - Potential 20%+ reduction in residential waste disposed
  - Business model – leveraged contracting
  - Infrastructure requirements – none or carts
  - Collection partnerships needed to activate
- **Recycling of Packaging and Paper**
  - Policy developments at state – EPR on the table
  - Potential to divert 90,000+ tons (adds 12%+ diversion)
  - Large implications for communities/industry
  - Positioning for community success is timely/needed



## Waste Diversion - Next Steps – Rapid Deployment of Programs

### ORGANICS (COMMERCIAL/RESIDENTIAL)

PHASE 1: Service Provider  
Inventory and Program  
Design/Planning  
(Next 6 months)

PHASE 2: Decision Making and  
Program Development  
(Months 7 through 15)

PHASE 3: Program  
Implementation/Operation  
(Months 16 and ongoing)

### PAY AS YOU THROW (PAYT)

PHASE 1: Program  
Design/Planning  
(18+ prior to implementation)

PHASE 2: Decision Making and  
Program Development  
(12-18 mo. prior to implementation)

PHASE 3: Program  
Implementation/Operation  
(months 19 and ongoing)

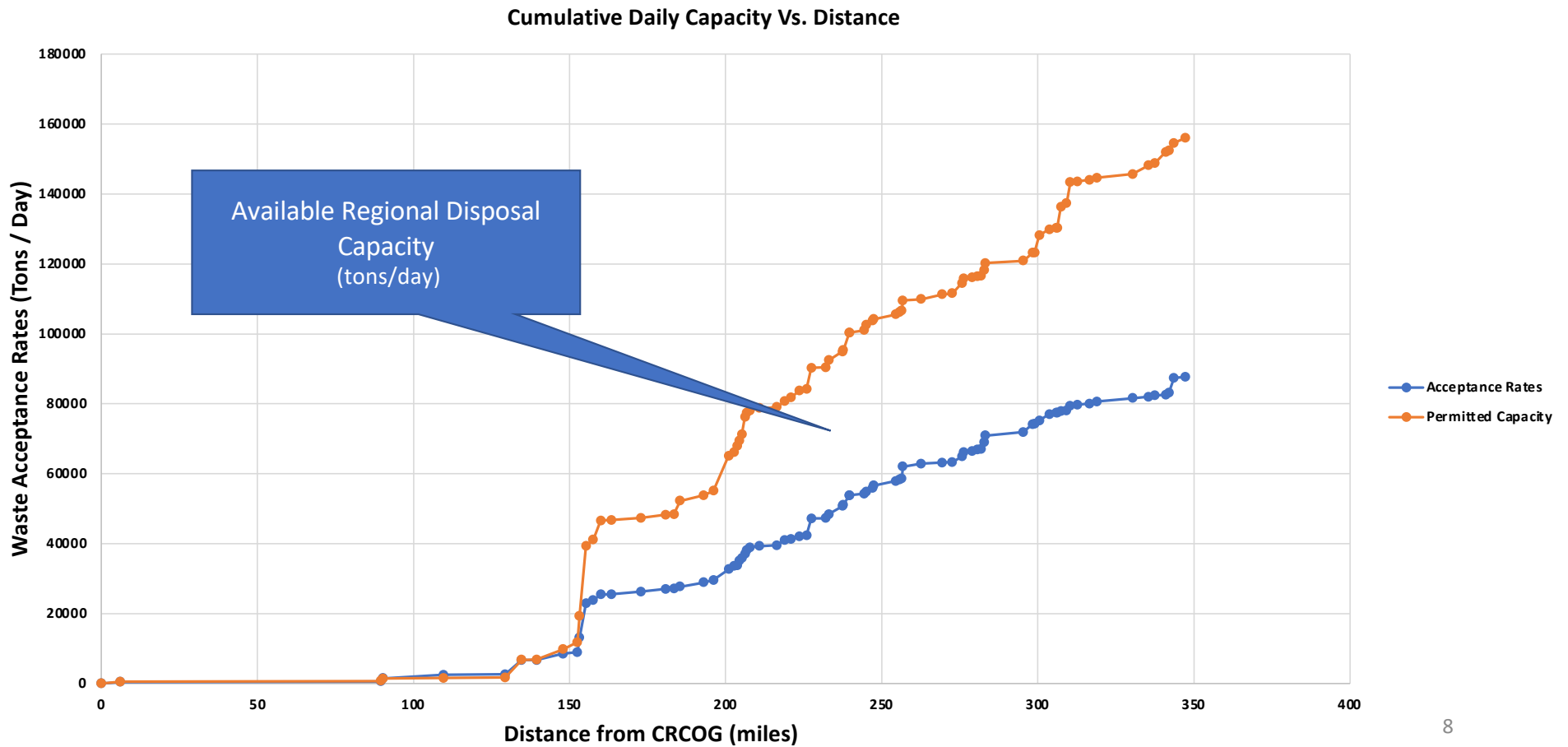
### RECYCLING OF PACKAGING AND PAPER

PHASE 1: Develop Position  
and Track Legislation  
(Next 6 months)

PHASE 2: Influence Program  
Design/Solution Development  
(Months 7 through 24)

PHASE 3: Support Program  
Roll-out/Operation  
(Months 25 and ongoing)

## Waste Disposal - Next Steps – Access Regional Disposal Capacity



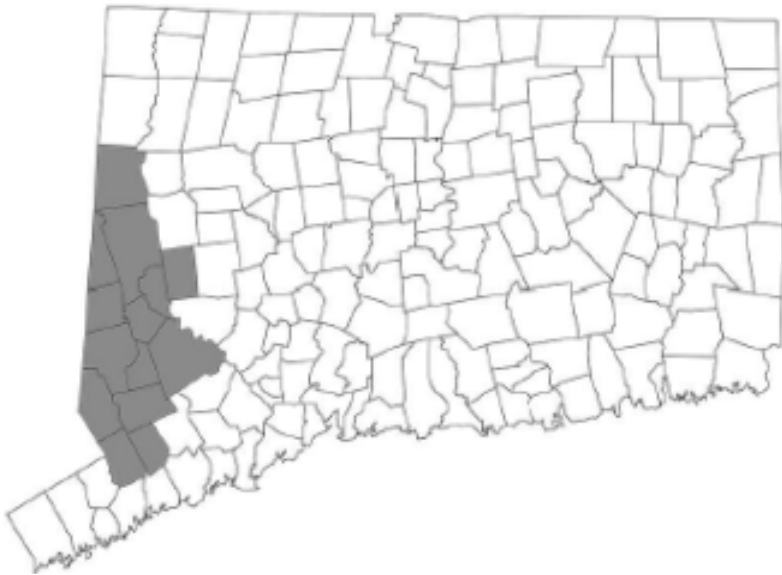


## Next Steps – Activate CCSWA

CT Governor’s solid waste proposals and the CMMS update provides a framework and funding opportunities for CCROG to move forward with CCSWA.

DEEP SMM Grant \$1.5M to form new or expand existing regional waste authorities and engage in planning activities for diversion programs and infrastructure development. Proposals due March 31, 2023

Regional Authority	
<b>Governance</b>	<ul style="list-style-type: none"><li>• Representation from each member town with CCSWA executive board elected by the CCSWA membership.</li><li>• Each town would become a member by adopting an identical ordinance to CCSWA articles of incorporation; with minimum of two towns passing the model ordinance.</li><li>• Executive Committee elected and directed by membership and provides authority management and staffing.</li><li>• Members required to by pay dues and fees.</li></ul>
<b>Purpose</b>	<ul style="list-style-type: none"><li>• Jointly manage solid waste disposal and recycling services on behalf of members.</li><li>• Solid waste services procurement; cost sharing/savings.</li></ul>



## HRRA is Model for CRCOG

- Authority and operating procedures are under CT State Statutes CGS 7-273aa -7-27300.
- Concurrent ordinances and Authority bylaws were adopted by all member municipalities.
- Operating budget is funded by member MSW program fees, HHW municipal pass-through, hauler registration and permits, recycling program fees, and grants.

### Member or Program Fees (Examples)

- Fee Per Ton of MSW tipped at a HRRA-sponsored transfer station
- Fee Per Ton of recyclables tipped at the Oak Ridge Transfer Station
- Recycling Program fee for recyclables
- Hauler permit fee (per year)
- Grants
- Municipalities pay for the household hazardous waste (HHW) events according to number of residents participating per year

## Level 1: Recommended Administrative Track

For implementation, start up and adaptation for CRCOG and its member towns to get started on the right track.

### 1. Organize Towns to Reinstitute CCSWA

<b>Start Date</b>	May 2023
<b>Strategy</b>	Organize member towns to formally move toward a Regional Solid Waste Authority; identify and bring together 11-12 municipalities for involvement.
<b>Action Steps</b>	<ul style="list-style-type: none"> <li>• Brief CRCOG member towns on need to reinstitute CCSWA.</li> <li>• Review existing bylaws, benefits of CCSWA, and requirements for member towns. Present policies and goals.</li> <li>• Conduct stakeholder meetings on activation process/interest</li> <li>• Brief stakeholders and DEEP on outcome of stakeholder meetings and present next steps.</li> </ul>
<b>Responsible Party</b>	CRCOG
<b>Completion Date</b>	September 2023

### 2. Adopt CCSWA Bylaws and Goals for the Regional Solid Waste Authority

<b>Start Date</b>	January 2024
<b>Strategy</b>	CCSWA becomes Regional Solid Waste Authority
<b>Action Steps</b>	<ul style="list-style-type: none"> <li>• Manage and administer contracts.</li> <li>• Establish programs with early adopters.</li> <li>• Develop communications strategy with solid waste providers.</li> </ul>
<b>Responsible Party</b>	CRCOG
<b>Completion Date</b>	September 2024

## Level 1: Recommended Administrative Track

### 3. CCSWA Program Initiative

<b>Start Date</b>	May 2024
<b>Strategy</b>	Identify Challenges and Opportunities
<b>Action Steps</b>	<ul style="list-style-type: none"> <li>• Work with CCSWA members to establish priorities.</li> <li>• Work with DEEP to expand permitting options.</li> </ul>
<b>Responsible Party</b>	CCSWA; CRCOG; DEEP
<b>Completion Date</b>	January 2025

### 4. Improve Data Tracking

<b>Start Date</b>	September 2024
<b>Strategy</b>	Lead a focused effort for tracking, reporting and data sharing for contracts and MSW/recycling generation.
<b>Action Steps</b>	<ul style="list-style-type: none"> <li>• Conduct waste characterization study.</li> <li>• Develop communications strategy with solid waste providers.</li> </ul>
<b>Responsible Party</b>	CCSWA
<b>Completion Date</b>	September 2025



## Level 2 : Recommended Approach to Operations, Programs, Facilities

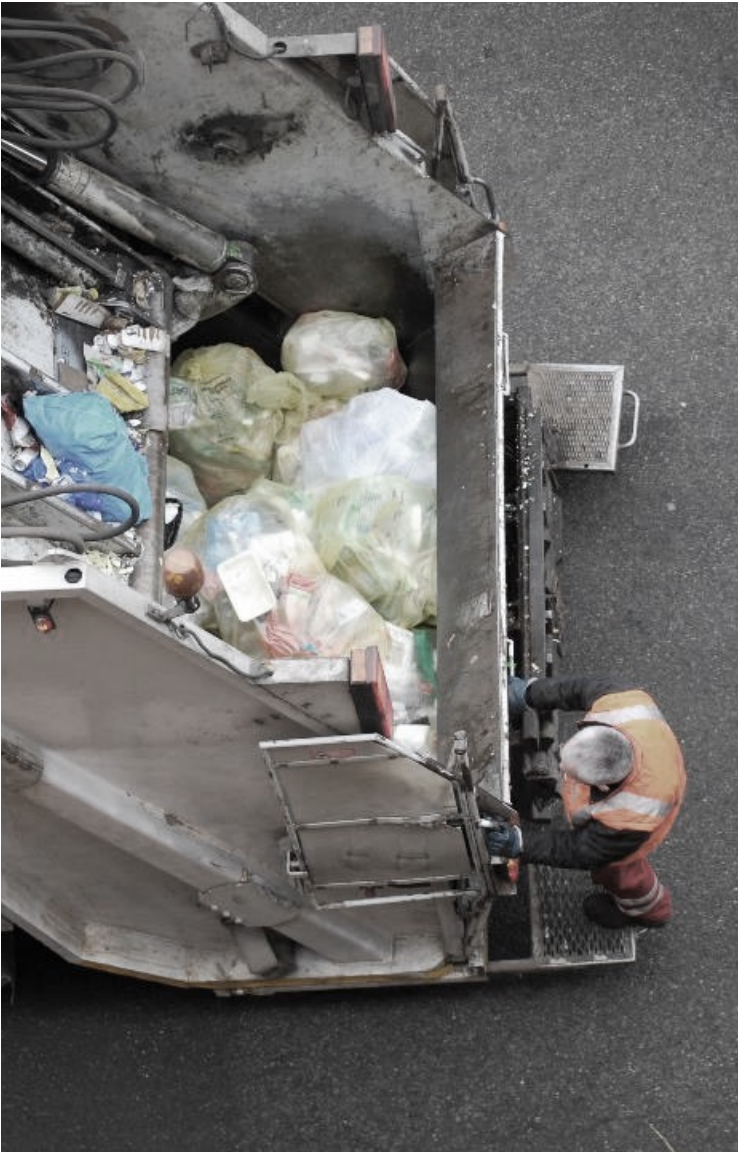
Aimed at the infrastructure needs including public/private partnerships and set the stage for long term development.

### 5. Focus on PAYT, Organics Diversion and Policy

<b>Start Date</b>	May 2023
<b>Strategy</b>	Provide procurement support and funding/grants to accomplish cost-effective and long-term PAYT, organics diversion and policy objectives at local and regional level.
<b>Action Steps</b>	<ul style="list-style-type: none"> <li>• Implement PAYT, organics diversion and policy programs; seek funding for location and regional needs.</li> <li>• Address gaps; prioritize collection and processing grant opportunities that need the most lift to start organics diversion and those that need to expand capacity.</li> </ul>
<b>Responsible Party</b>	CCSWA DEEP Legislature
<b>Completion Date</b>	August 2026

### 6. Regional Short Term Disposal Solutions

<b>Start Date</b>	May 2023
<b>Strategy</b>	Provide procurement support and funding/grants to connect towns to short term disposal solutions that meet town management, operational needs, service and programs requirements.
<b>Action Steps</b>	<ul style="list-style-type: none"> <li>• Stakeholder meetings with member towns, private solid waste owners, operators and service providers</li> <li>• Coordinated implementation with CCSWA activation</li> </ul>
<b>Responsible Party</b>	CCSWA; CRCOG, DEEP; Private solid waste owners/operators.
<b>Completion Date</b>	December 2024



## Task 2 Recommendations

### **Waste Diversion Expansion**

- Implement concurrently and in synch with Authority development.

### **Authority Development and Short-Term Disposal Options**

- Level 1 Administrative recommendations are almost universal items that CRCOG can introduce and take action on with its existing authorities and funding sources to move CCSWA forward including overall management of contracts (1-5 years).
- Level 2 Facility & Operations recommendations are aimed at the infrastructure needs including public/private partnerships.
- With new support from legislation and the CMMS draft amendment for Regional Waste Authorities, start to organize members toward self-resiliency.
- Establish political will to work together and set a concurrent ordinance for towns to adopt.
- Recommendations for staffing, budget and potential resources for long-term sustainability to be identified with CCROG in Task 3.

### **Additional RRS/TT Technical Support**

- Funding of on-demand support needed to keep above moving which could include review/update of Task 3 scope as well as CT grant support.

# Clarifying Questions?

## Discussion.



**Thank**

**You.**

