



Part II: Zero Waste Diversion Priorities

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Diversion Priorities

Waste Reduction

- Implement Educational Campaign
- Establish Shared Equipment Program
- Evaluate PAYT Program
- Implement/Pass EP4 Policy
- Support EPR Policies
- Support Circular Economy Initiatives



Diversion Priorities



Reuse

- Promote Material Reuse Programs
- Host Reuse/Repair Fairs
- Encourage Reusable Food Packaging at Restaurants
- Facilitate Reusable Dishware at APS

Diversion Priorities

Recycling/Composting

- Support Food Waste Diversion at MF/C Generating Sectors
- Establish Disposal Ban for Organic Materials
- Expand Organics Collection at Farmers Markets
- Implement Hard to Recycle Materials Program
- **Require Zero Waste at Special Events**



Diversion Priorities

Recycling/Composting (continued)

- Implement Separate Onsite/Curbside Collection for Glass
- Support “Bottle Bill” Policies
- Expand Existing Recycling Education and Outreach Efforts
- Establish Online “Dashboard” Tracking Progress
- Support Additional Waste Reduction/Recycling Policies/Initiatives



Reuse-Repair Fairs

Components:

- Quarterly at County facilities
- Arrange skilled labor to repair household items
- Small appliances, clothes, bikes, electronics, etc.

Impact:

Total Tons	21,350
Impact Type	Reduction
Percent Impact	5 – 10%
Tonnage Impact	1,070 – 2,140
Diversion Rate Impact	0.3 – 0.5%

Material Donation/Reuse Programs

Components:

- Target multi-family/commercial sectors
- Encourage partnerships for donation pick-up
 - Businesses/multi-family
 - Non-profits (i.e. Goodwill, Planet Aid)
- Amend code to permit authorized material collection by non-solid waste haulers

Impact:

Total Tons	3,320
Impact Type	Reduction
Percent Impact	40 - 50%
Tonnage Impact	1,330 – 1,660
Diversion Rate Impact	0.3 – 0.4%

State-Level Circular Economy Initiatives

Components:

- Facilitate waste materials use as feedstock for product mfg.
- Minimal County direct control
- Activity at state level
- Potential impact all disposed waste

Impact:

Total Tons	103,850
Impact Type	Reduction
Percent Impact	0.5 – 1.0%
Tonnage Impact	520 – 1,040
Diversion Rate Impact	0.1 – 0.3%

Zero Waste Special Events

Components:

- County events to be zero waste
- Require outside events to submit waste reduction/diversion plan
- Condition of receiving a county permit

Impact:

Total Tons	11,610
Impact Type	Reduction
Percent Impact	2 – 4%
Tonnage Impact	230 – 460
Diversion Rate Impact	0.1 – 0.2%

Online Dashboard Tracking

Components:

- Establish zero waste metrics
- Make available to public for tracking/transparency purposes

Impact:

Total Tons	70,080
Impact Type	Diversion
Percent Impact	0.1 – 0.2%
Tonnage Impact	70 – 140
Diversion Rate Impact	0.0 – 0.1%

Equipment Sharing Program

Components:

- Similar concept to lending libraries
- Allow residents to “check-out” and return select equipment
- Focus on battery powered tools and yard equipment

Impact:

Total Tons	2,050
Impact Type	Reduction
Percent Impact	5 – 7%
Tonnage Impact	100 – 140
Diversion Rate Impact	0.0 – 0.0%

EP4 Policy

Components:

- Refocus attention
- Refine to address packaging/shipping material reduction
- Educate Board on importance of policy
- Encourage adoption of policy by Board

Impact:

Total Tons	13,270
Impact Type	Reduction
Percent Impact	0.1 – 1%
Tonnage Impact	10 – 130
Diversion Rate Impact	0.0 – 0.0%

Reusable Packaging at Restaurants

Components:

- Encourage re-usable packaging
- Review health code to confirm compatibility with reuse
- Partner with restaurants to establish plastic prevention policy
- Virginia EPS ban effective in 2028
- Incentives for restaurants to switch to reuseable

Impact:

Total Tons	4,490
Impact Type	Reduction
Percent Impact	0.5 – 1.0%
Tonnage Impact	20 – 40
Diversion Rate Impact	0.0 – 0.0%

Reusable Dishware at APS

Components:

- Phase out use of disposable dishware in school dining halls
- Installation of dishwasher/drying infrastructure at schools

Impact:

Total Tons	3,490
Impact Type	Reduction
Percent Impact	1 – 2%
Tonnage Impact	30 – 70
Diversion Rate Impact	0.0 – 0.0%

Major Legislative Initiatives

Components:

- Support state/federal initiatives for sustainable materials management
- Minimal County control

Impact:

Total Tons	33,770
Impact Type	Diversion
Percent Impact	0.1 – 0.2%
Tonnage Impact	30 – 70
Diversion Rate Impact	0.0 – 0.0%

Cumulative Impacts

Initiative	Impact Type	Impact to Diversion Rate	Cumulative Diversion Rate
Current State	NA	NA	47.4%
Expand Education/ Outreach Initiatives	Diversion	13.7 – 16.0%	61.1 – 63.4%
Organics Ban from Disposal	Diversion	11.9 - 12.7%	73.0 – 76.1%
Comm./MF Organics Diversion	Diversion	3.7 – 5.0%	--
Organics Diversion at Farmers Markets	Diversion	0.1 – 0.2%	--
Waste Reduction Education Campaign	Reduction	2.6 – 3.2%	75.6 – 79.3%
PAYT Evaluation	Reduction/ Diversion	2.1 – 2.2%	77.7 – 81.5%

Cumulative Impacts (cont.)

Initiative	Impact Type	Impact to Diversion Rate	Cumulative Diversion Rate
CHaRM Facility	Reduction/ Diversion	1.8 – 2.5%	79.5 – 84.0%
Separate Glass Coll.	Diversion	1.0 – 1.3%	80.5 – 85.3%
Support Bottle Bill Leg.	Diversion	3.1 – 3.5%	83.7 – 88.9%
Support EPR	Reduction	0.7 – 0.9%	84.3 – 89.7%
Reuse/Repair Fairs	Reduction	0.3 – 0.5%	84.6 – 90.2%
Promote Reuse/Donation	Reduction	0.3 – 0.4%	84.9 – 90.6%
Circular Economy Support	Reduction	0.1 – 0.3%	85.0 – 90.9%
Zero-Waste Special Events	Diversion	0.1 – 0.2%	85.2 – 91.1%

Cumulative Impacts (cont.)

Initiative	Impact Type	Impact to Diversion Rate	Cumulative Diversion Rate
Online Dashboard	Diversion	0.0 – 0.1%	85.2 – 91.2%
Shared Equipment Program	Reduction	0.0 – 0.0%	85.2 – 91.2%
EP4 Policy	Reduction	0.0 – 0.0%	85.2 – 91.3%
Support Major Leg. Initiatives	Reduction/ Diversion	0.0 – 0.0%	85.2 – 91.3%
Reusable Packaging at Restaurants	Reduction	0.0 – 0.0%	85.2 – 91.3%
Reusable Dishware at APS	Reduction	0.0 – 0.0%	85.2 – 91.3%

Questions/Discussion