CITY OF MOUNTAIN VIEW

Mountain View Zero Waste Plan Community Meeting

Mountain View ZERO WASTE

Zero Waste Plan Community Meeting

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Help develop a plan to reduce waste, increase recycling and manage trash.

Thursday, April 21, 2011 - 7:00 p.m.
Mountain View Senior Center
266 Escuela Avenue

For more information, contact the Public Works Department at recycle@mountainview.gov or (650) 903-6311

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Tonight's Agenda

- Background
- What is Zero Waste?
- Draft Zero Waste vision and goals.
- Milestones for developing the Plan.
- Zero Waste in Mountain View.
- Questions and input – your turn.
- Further opportunities for input.

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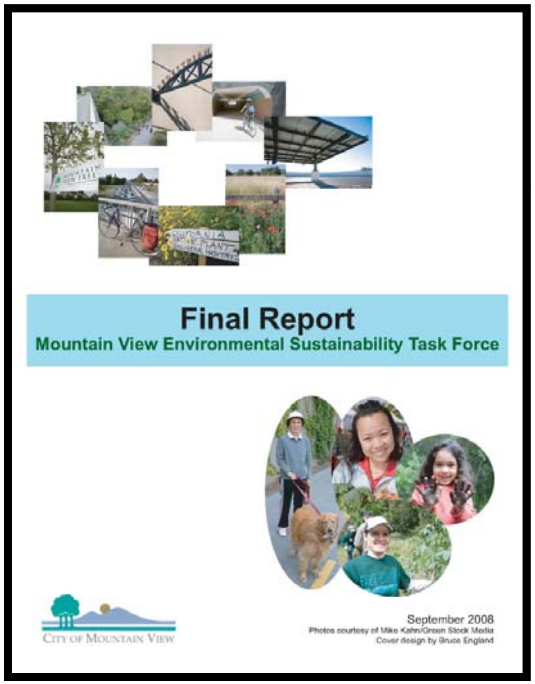
Environmental Sustainability Taskforce

- Eleven topic areas
- A total of 89 recommendations
- Recognition of connection between topic areas
- Zero waste recommendations tying into:
  - Greenhouse gas emissions reductions
  - Toxics reduction and safety
  - Green jobs



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Environmental Sustainability Action Plan

- Complete a Zero Waste Action Plan
  - ☑ Waste Characterization – Completed
  - ❑ Develop Zero Waste Plan – Underway
  - ❑ Council Adoption – Tentative September 2011
  - ❑ Financial and Funding Analysis

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What is Zero Waste?

Zero Waste seeks to eliminate negative impacts of designing, producing, using, and discarding of products and packaging:

- Reduce resource use
- Reuse products and materials
- Minimize or eliminate discard of "waste"
- Reduce production of greenhouse gases
- Minimize production of toxic materials and provide safe discard of toxics

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Milestones for the Plan

- Define a Zero Waste vision and goals for Mountain View
- Define planning timeframes around key dates
- Define needs, opportunities, and constraints
- Identify options and recommendations
- Identify possible funding options
- Circulate draft Plan for public review

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A River Flows Through It - Part 1

"Upstream" – Producer/Retailer Responsibility

- Develop take back programs
  - State: paint, carpets, batteries
  - Local: batteries, lamps
- Develop advanced disposal fees
  - Tires
  - Batteries
- Redesign products:
  - Reduce packaging
  - Avoid non-recoverable products
  - Increase product life

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A River Flows Through It – Part 2

"Midstream" - Reduce and Reuse

- Use reusable bags
- Take part in the Citywide garage sale
- Begin home composting
- Use web exchanges (e.g., Freecycle)
- Do two-sided copying
- Use thrift stores
- Use take back programs
- Schools programs

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A River Flows Through It – Part 3

"Downstream" – Manage Discards

- Collect:
  - Recyclables
  - Organics
  - Trash
- Process:
  - Recyclables
  - Organics
  - Trash
- Dispose of "residue":
  - Landfill only what cannot be recovered

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Key Demographic Characteristics

- Most housing growth will be in-fill
- Highest proportion of "multi-family" in county (including row houses, condos, townhouses)
- Aging population
- Headquarters to many high-tech companies and zero waste leaders
- Job growth projected at 39% vs. 23% population growth by 2030

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Current Residential Services

Single-Family

- Every-other-week split cart recycling
- Every-other-week yard trimmings
- Weekly trash
- Used motor oil, filters and batteries

Multi-Family (> 9 units)

- Group recycling carts
- Yard trimmings, as needed
- Trash bins

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Current Commercial/Industrial Services

- Bin recycling
- Downtown shared recycling
- Clean organics pilot
- Trash bins and carts

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Other Current Services

- Garage and community yard sales
- Household hazardous waste options
  - Paints, cleaners, etc
  - Batteries
  - Fluorescent lamps
  - Medications

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Other Current Services

- Construction and demolition materials
- On-call clean-up for single-family
- School recycling
- Special events

SMaRT Station - Services

- Processes source-separated recyclables
- Composts yard debris, provides free compost
- Recovers recyclables from trash

- Takes self haul material
- Takes sharps, batteries, used oil, and e-waste
- Provides shredding

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SMaRT Station - Collection & Processing

- Getting material out of the disposal stream:
  - Driven by processing needs
  - Processing determines WHAT material we pickup
  - Collection determines HOW we pickup material

- Comparing SMaRT city services with those for non-SMaRT cities

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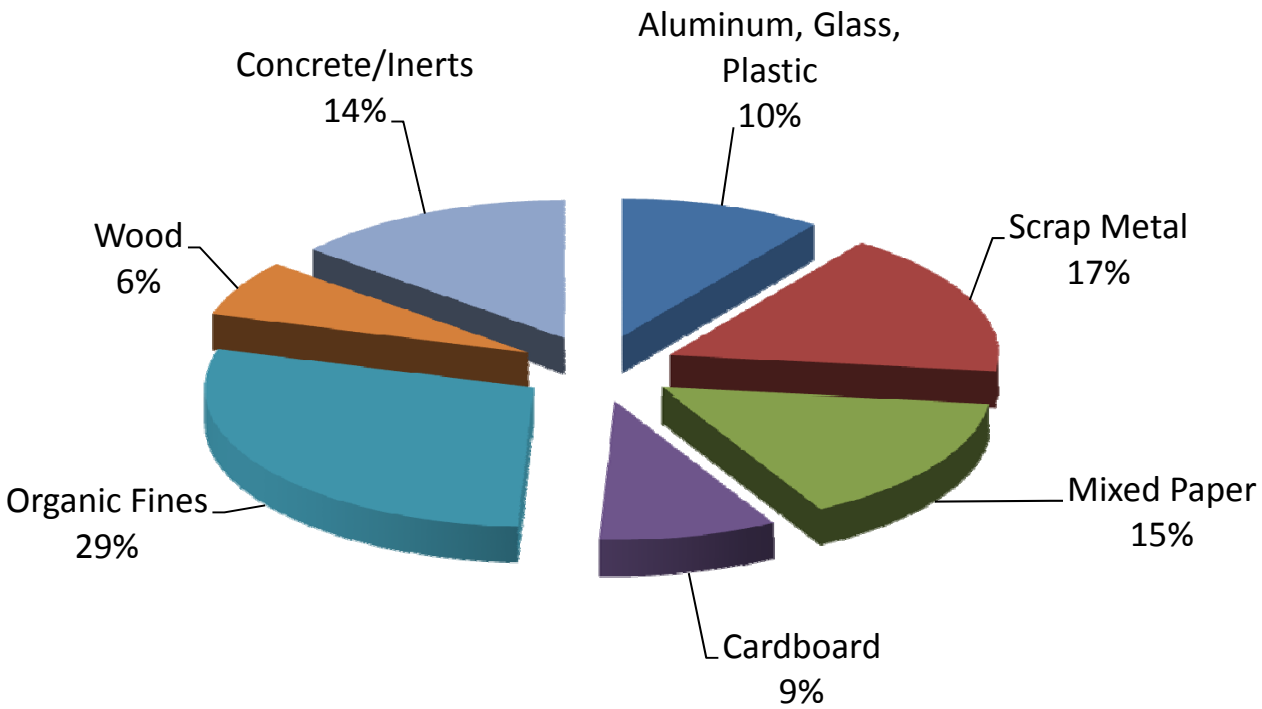
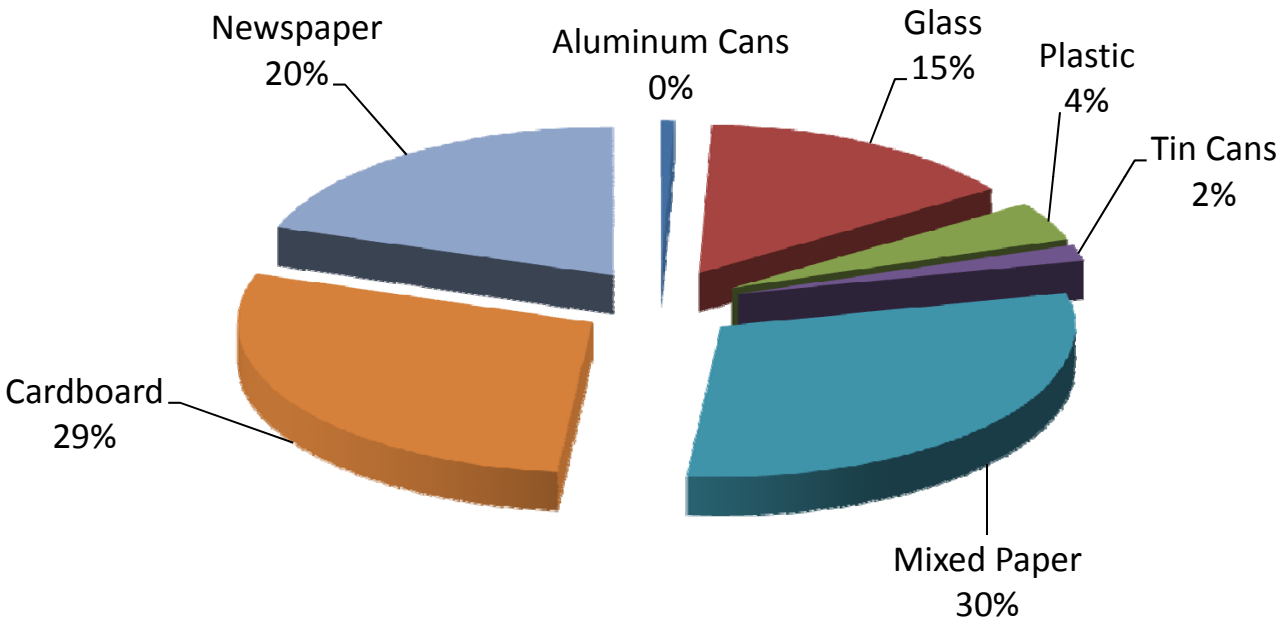
SMaRT Station - Materials Diverted from Trash



Trash diverted revenue per ton $61

SMaRT Station - Materials Marketed from Curbside Recycling



Source-Separated material revenues $151 per ton

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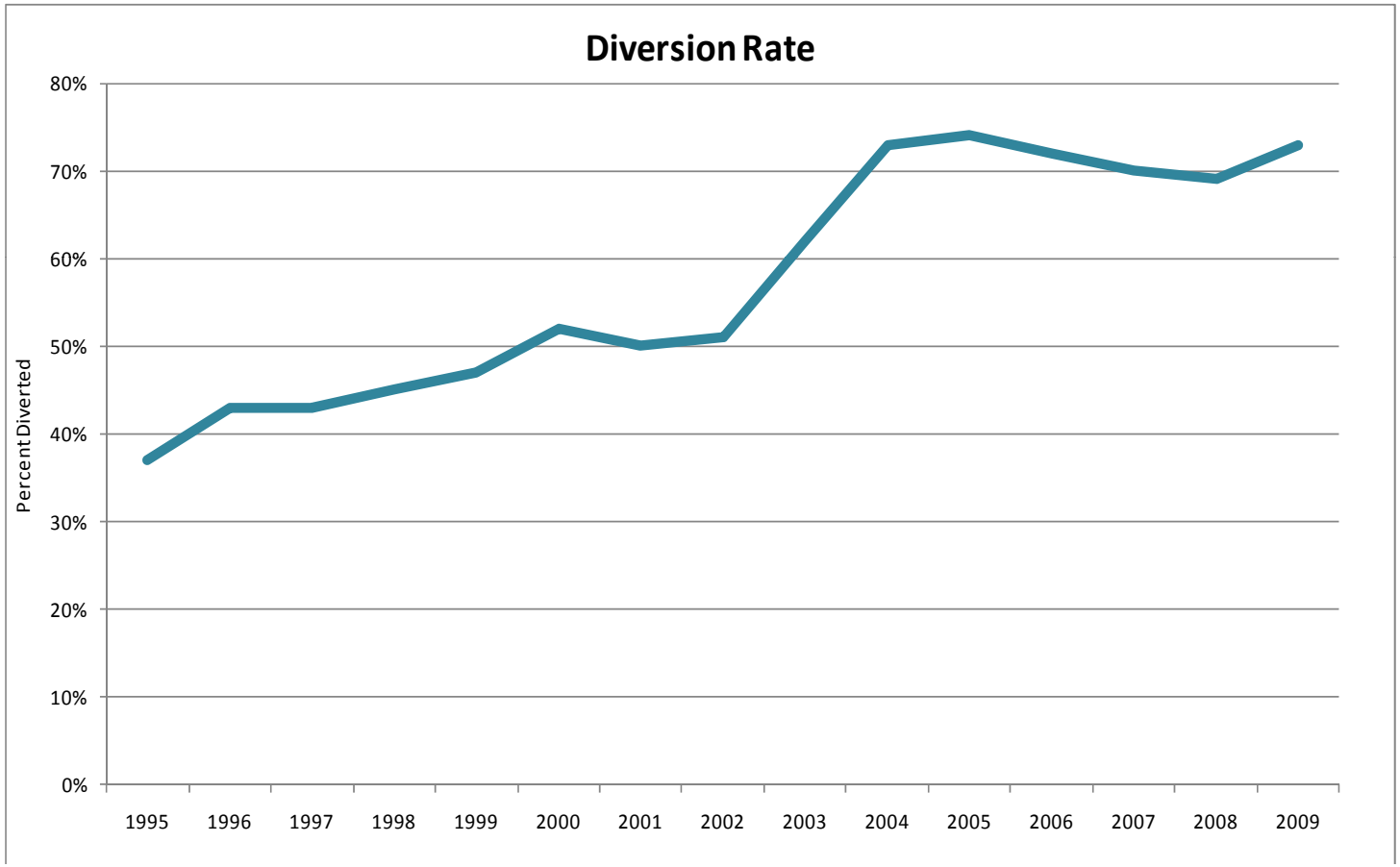
Mountain View's Diversion Success



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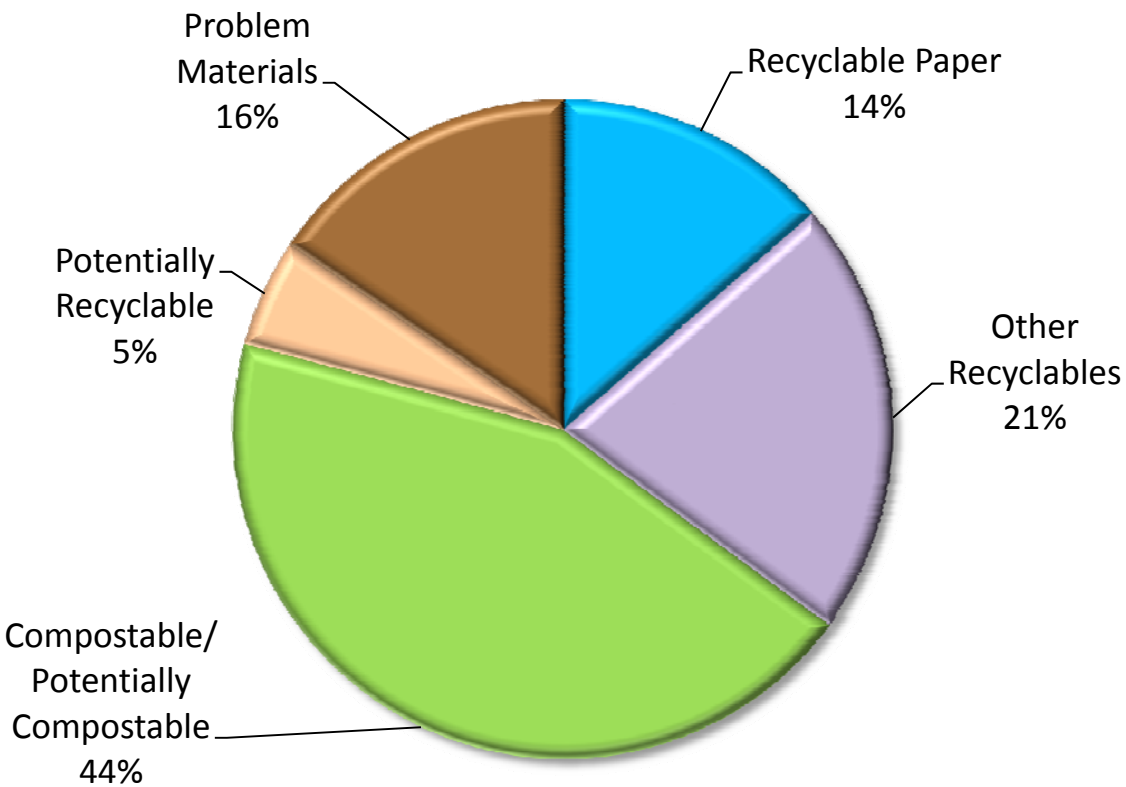
Diversion Opportunities: All Mountain View Trash as Collected



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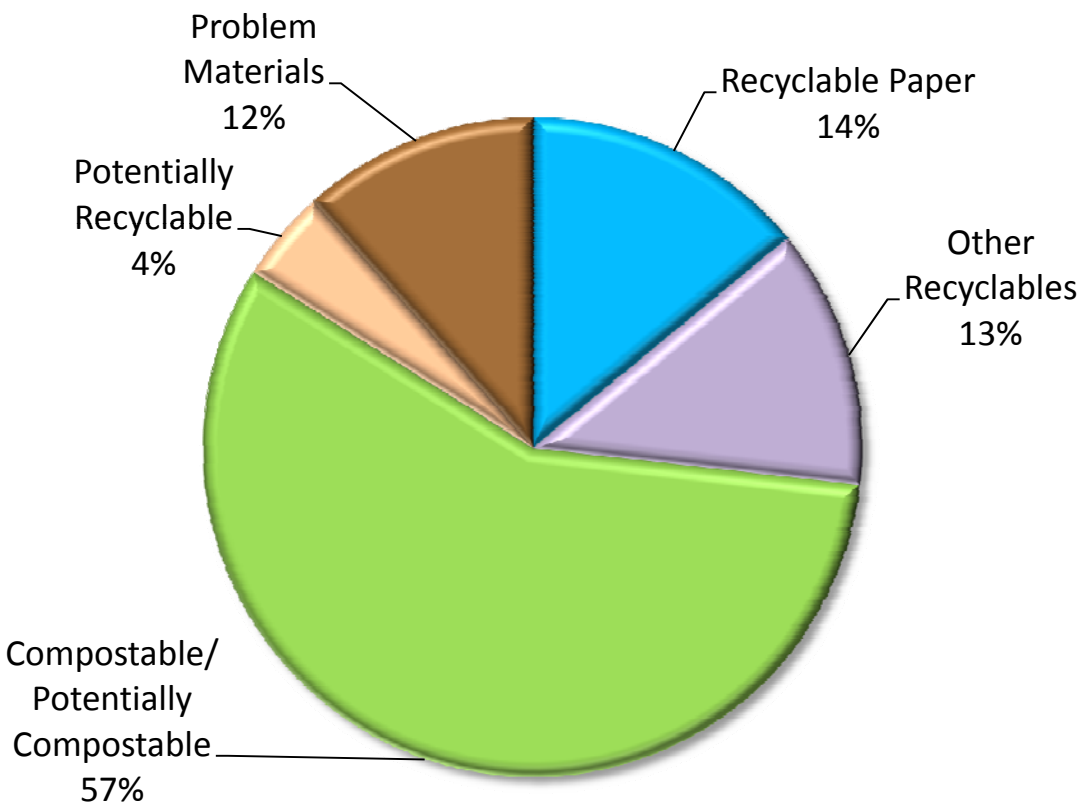
Diversion Opportunities: SMaRT Station Residuals for 3 Cities



Evaluating Options

Sample program options:

- Weekly collection
- Residential food scraps
- Commercial food scraps
- Expanded take back options
- Numerous others

Select best cost & benefit combination based on:

- Diversion potential/market availability
- Cost
- Greenhouse gasses
- Convenience

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Key Planning Milestones and Drivers

- **July 2012** – State (AB 32) mandatory commercial/multi-family recycling (SMaRT processing probably satisfies requirement)
- **April 2013** – New collection agreement
- **October 2016 to March 2017** - Three cities meet and confer
- **October 2021** – Contracts with SMaRT Station and Kirby Canyon Landfill end

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Invitation to Ask Questions and Provide Input

- Please be concise
- Zero Waste:
  - vision
  - interim goals
  - cards on table
- Ideas regarding future services
- Plan will identify topics of input

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How to Stay Involved

- Future noticed meetings
- Email signup list
- Business input
- Participate in random survey(s)
- City website
- Contact City staff – "Ask Mountain View"

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Draft Vision and Goals

Draft Zero Waste Vision

"By 2025, all discarded materials in Mountain View are recovered for their highest and best use, and no materials are sent to landfills or incinerators."

Draft Interim Goals

- By 2015, Mountain View residents and businesses will divert 80% of materials from landfill.
- By 2020, Mountain View residents and businesses will divert 90% of materials from landfill.

Final Vision and Goals will reflect:

- Public input
- Existing City contracts
- Program and funding options and requirements

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Informational Slides: High Density Issue

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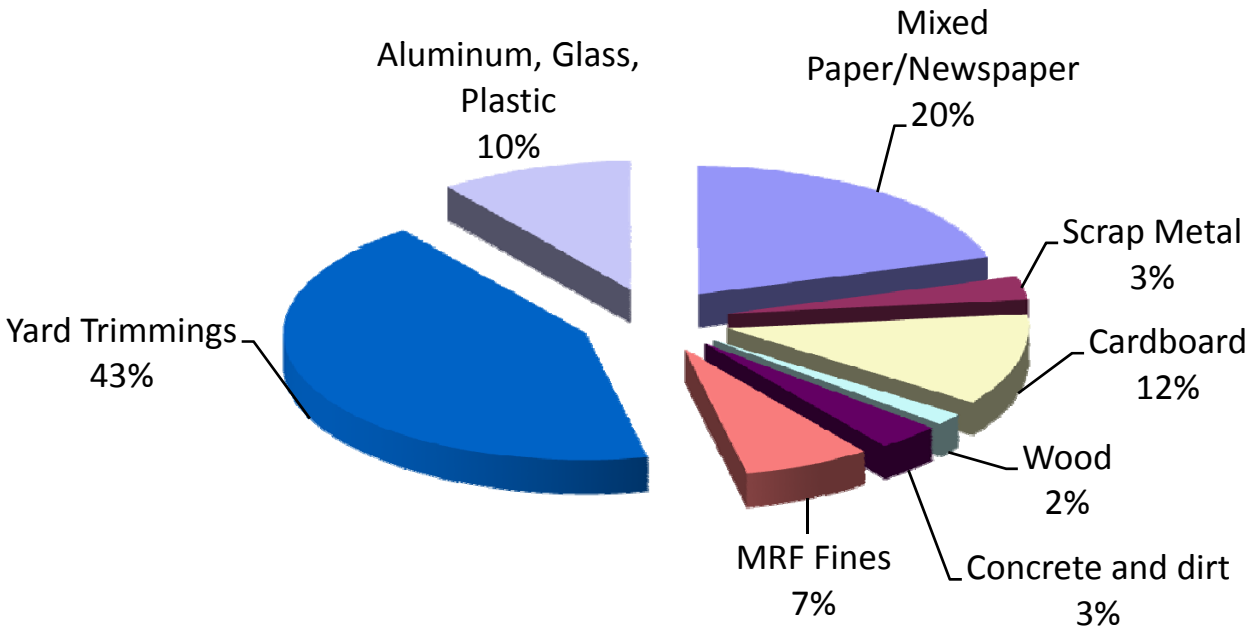
SMaRT Station – All Materials Marketed

SMaRT Station All Materials Marketed



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Measuring Future Diversion

- 90%+ diversion, based on today's population
  - < About 1.6 lbs/per person/day
- 90%+ diversion, based on today's employment
  - < About 2.2 lbs/per person/day
- 90%+ diversion, reduce landfill by 2/3's
  - < About 14,000 tons per year

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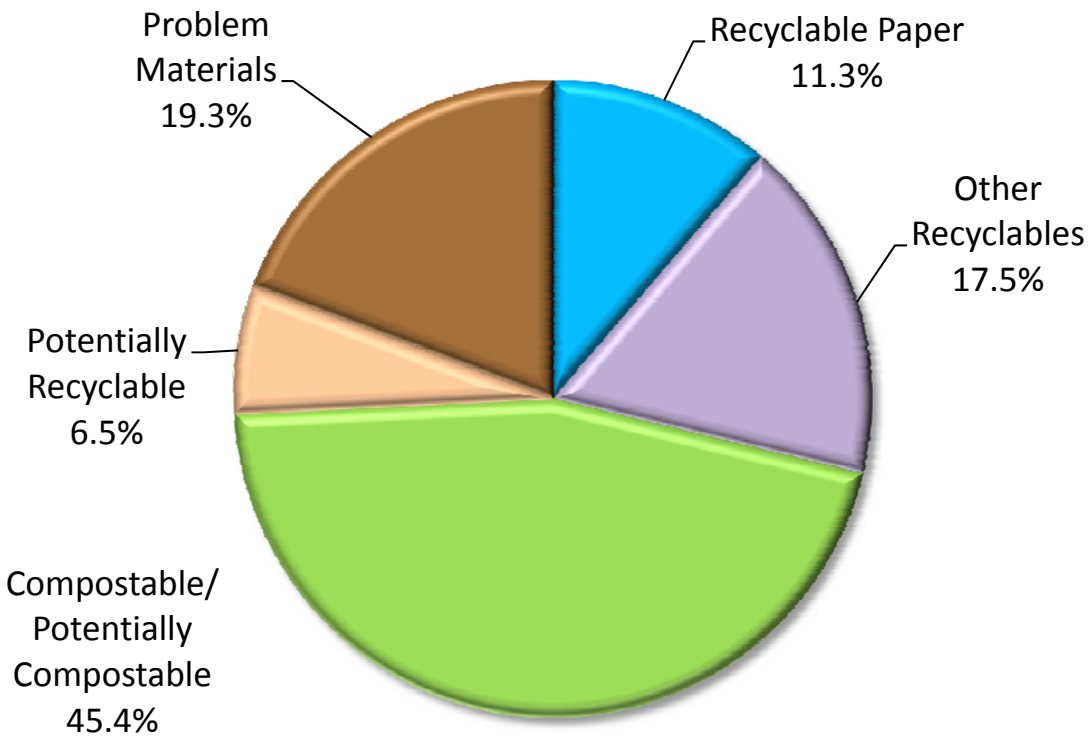
Single Family Diversion Potential

Single Family Dwellings



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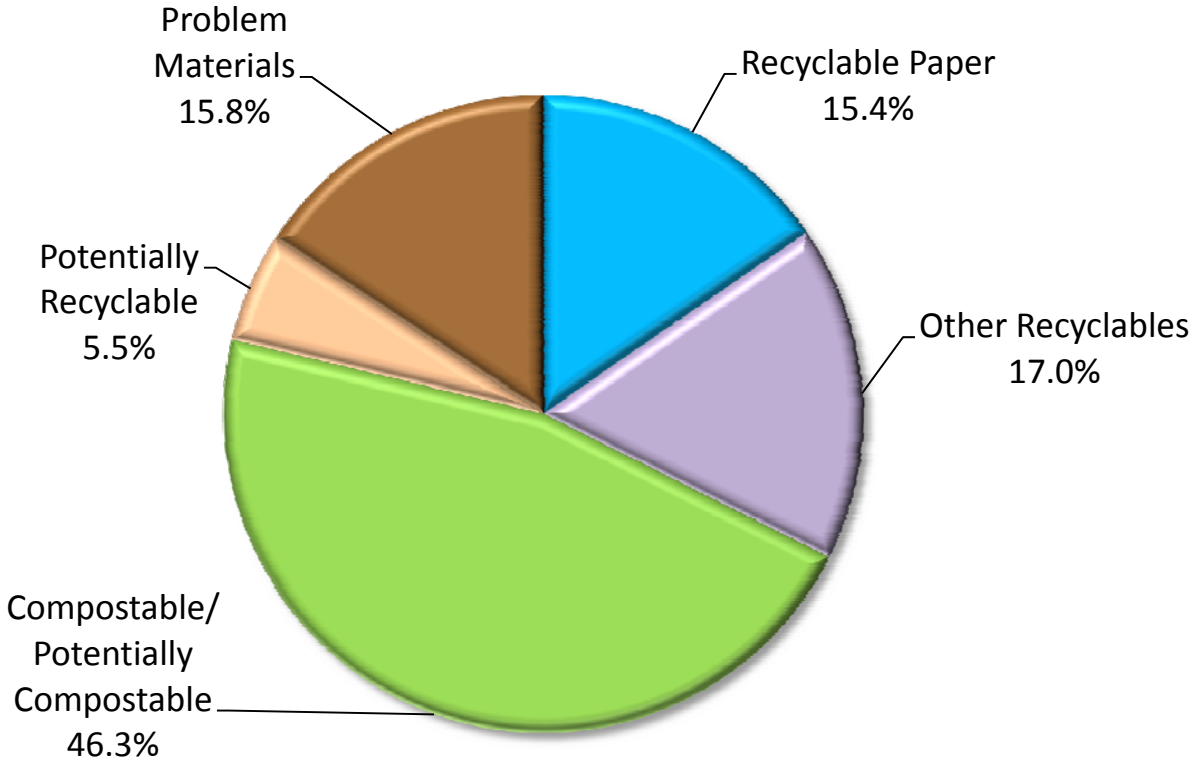
Multi-Family Diversion Potential

Multi-Family Dwellings



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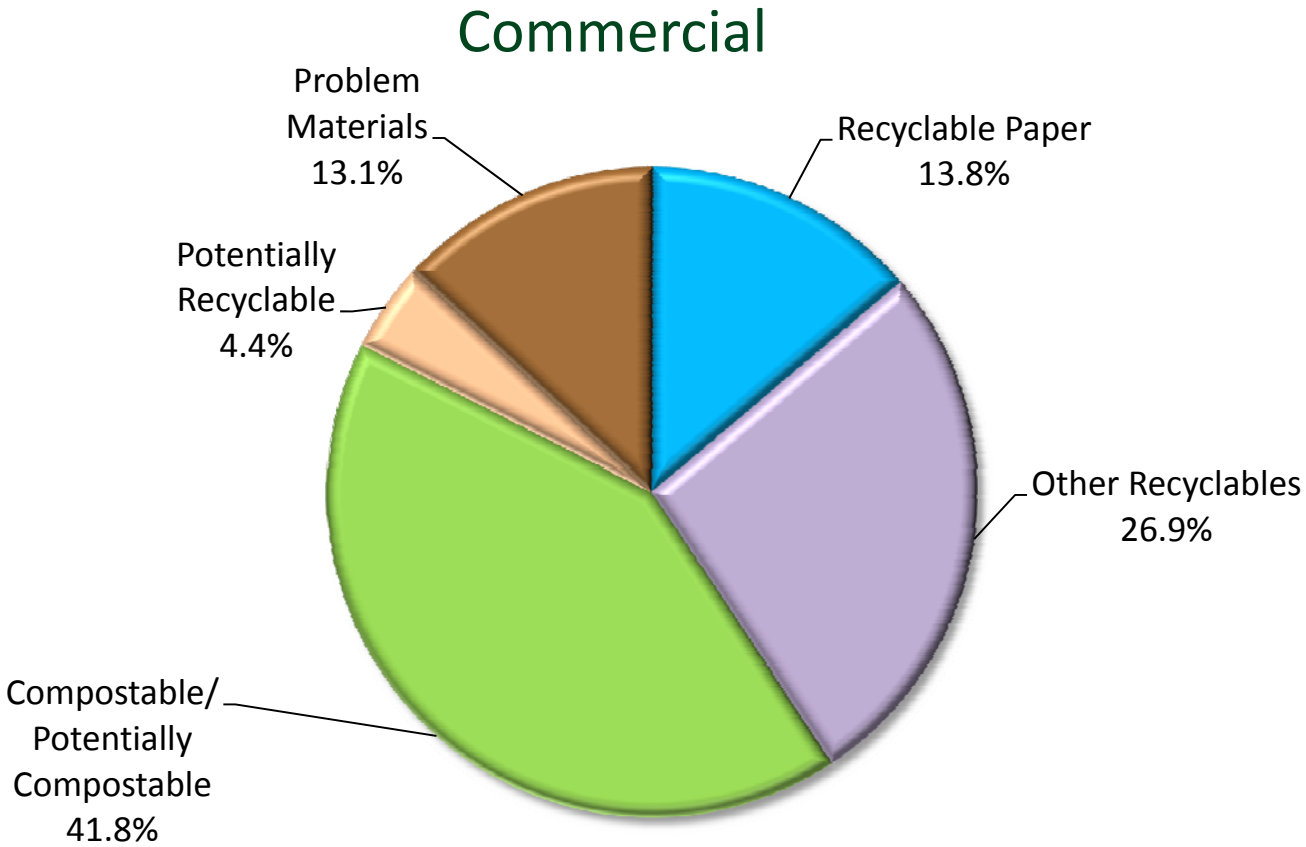
Commercial Diversion Potential



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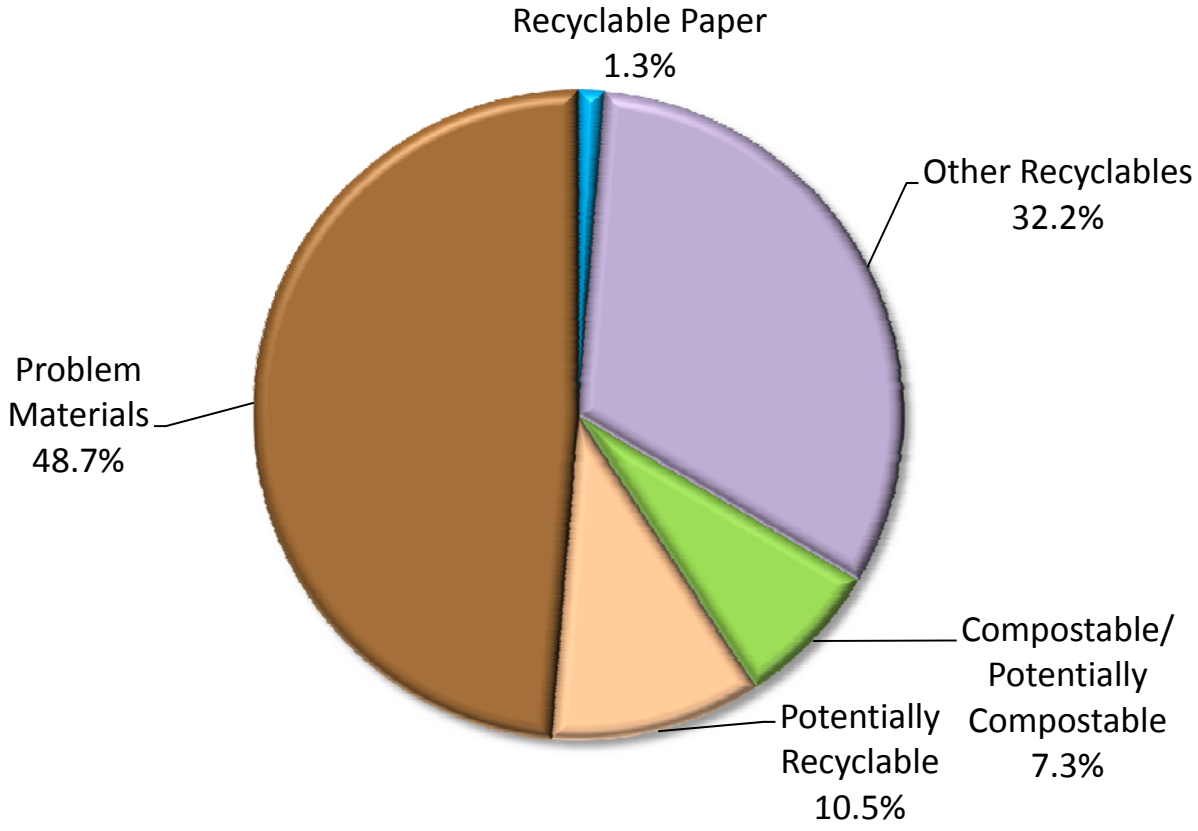
Construction & Demolition Diversion Potential

Construction & Demolition Debris



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