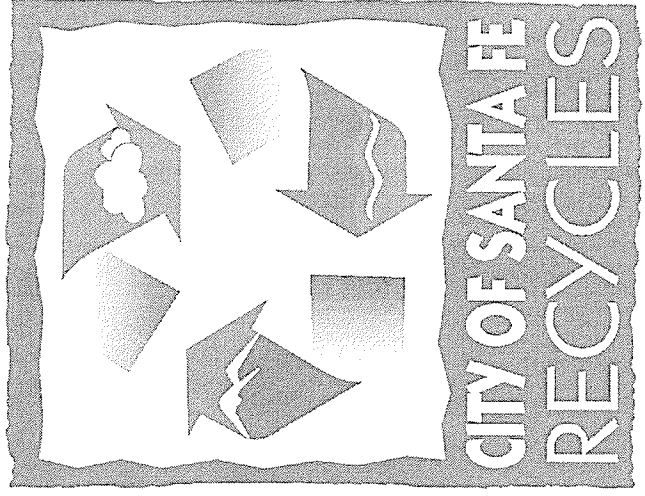


Single Stream Recycling



What single-stream would mean in santa fe

- Single-stream means that all recycling is collected in a single container
- Santa Fe currently has dual-stream with glass in a separate container
- Neither BuRRT nor Friedman can accommodate glass in the mixed recycling
 - Glass is abrasive and hard on equipment
 - Glass contaminated paper is not acceptable to recycler
- Therefore, single-stream would mean NO LONGER COLLECTING GLASS WITH THE REST OF THE RECYCLING.

Options explored

1. Single Stream Only:

- a) Eliminate curbside glass recycling,
- b) keep other recyclables and service type the same;
- c) provide drop-off locations for glass

2. Single Stream Plus Added Materials:

- a) Eliminate curbside glass recycling,
- b) add all items accepted by Friedman
- c) provide drop-off locations for glass

3. Single Stream Plus Added Materials Plus

Automated Collection

- a) Eliminate curbside glass recycling,
- b) add all items accepted by Friedman

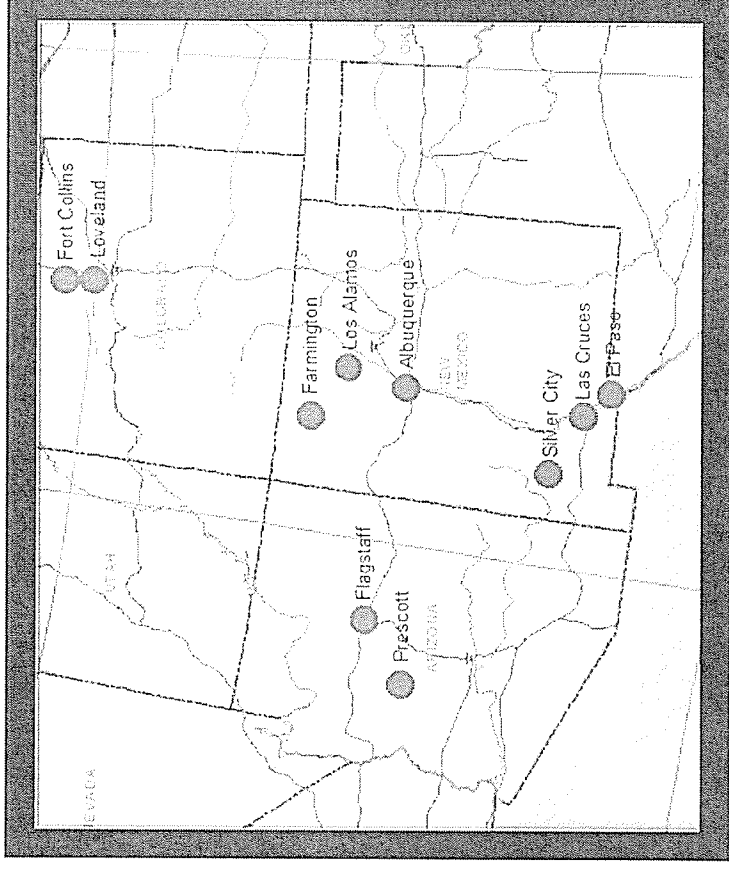
Materials accepted by Friedman

- Paper
 - Newspapers/magazines
 - Junk mail
 - Office paper
 - Corrugated cardboard
 - Cereal/cracker boxes
 - Milk and juice boxes
 - Phone books
 - Books
 - Brown paper bags
 - Paper Egg Cartons
- Plastic
 - #1-7 plastic bottle/tubs
 - Rigid Plastic Toys/Hampers
- Metal
 - Aluminum cans
 - Tin cans
 - Foil & pie pans
 - Small electronics
 - Pots & pans
 - Small appliances

Who we talked to

- We interviewed 5 cities in New Mexico and 5 neighboring states who now have single stream recycling.

- Albuquerque
- Silver City
- Farmington
- Los Alamos
- Las Cruces
- Fort Collins
- Loveland
- Flagstaff
- Prescott
- El Paso



What they told us

City	Has Single-Stream	Includes Glass	Has PAYT	Recycling Rate	Participation Rate
Silver City, NM	<input type="checkbox"/>			25%	Not available
Albuquerque, NM	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	6%*	Not available
Las Cruces, NM	<input checked="" type="checkbox"/>			12.65	65%
Los Alamos, NM	<input checked="" type="checkbox"/>			20.6%	Not available
Farmington, NM	<input checked="" type="checkbox"/>			7.8%	50%
Prescott, AZ	<input checked="" type="checkbox"/>			39%	Not available
Flagstaff, AZ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	About 15%	75%
Loveland, CO	<input checked="" type="checkbox"/>			26%	High 90s
Ft. Collins, CO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	56%	95%
El Paso, TX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		11%	85%

* Estimated increase to 24% with new single-stream program

What we learned

- Colorado and Prescott Arizona include glass in their single-stream as the MRFs they use can accommodate it.
- Contamination went up with increased recycling rates.
- Most cities have not implemented pay-as-you-throw but most are considering it for the near future.
- The greatest participation rate occurred when all customers were issued automated recycling containers; and
- When there was a substantial initial outreach program and an ongoing outreach program.

What we might expect: Option 1

- Single Stream Only:
 - Eliminate curbside glass recycling,
 - keep other recyclables and service type the same; and
 - provide drop-off locations for glass
- **Cost Estimate:**
 - Unknown cost of recycling drop-off locations creation and servicing
 - Initial (\$64K) and on-going (\$25.5K annual) advertising and outreach
- **Likely Effect:**
 - Recycling volumes would likely reduce as glass recycling would be less convenient
 - Participation in curbside program would likely stay the same
 - Increased cost to create and service recycling drop off locations

What we might expect: Option 2

- Single Stream Plus Added • Likely Effect:
 - Eliminate curbside glass recycling,
 - add all items accepted by Friedman
 - provide drop-off locations for glass
- Cost Estimate:
 - Unknown cost of recycling drop-off locations creation and servicing
 - Unknown cost of using Friedman contract
 - Initial (\$64K) and on-going (\$2515K) advertising and outreach
- Weight of recycling may stay the same or reduce since glass is heavy
- Recycling volumes would likely increase
- Participation would likely increase
- Increased cost to create and service recycling drop off locations

What we might expect: Option 3

- Single Stream Plus Added Materials Plus Automated Collection
 - Eliminate curbside glass recycling,
 - add all items accepted by Friedman
 - provide drop-off locations for glass
 - Switch to automated collection
- Cost Estimate:
 - Unknown cost of recycling drop-off locations creation and servicing
 - Unknown cost of using Friedman contract
 - Initial (\$64K) and on-going (\$25.5K) advertising and outreach
 - New carts and trucks (about \$2 million)
 - Staff cost for targeting and implementing contamination reduction program
- Likely Result:
 - Weight of recycling may stay the same or reduce since glass is heavy or may increase due to increased volumes expected
 - Recycling volumes would likely increase, and would likely increase more than under Option 2
 - Participation would likely increase and would likely increase more than under Option 2
 - Contamination would likely increase and would require program to reduce.

Option 3 pilot

- PILOT: Single Stream Plus Added Materials Plus Automated Collection
 - Pilot in 2 mobile home parks in annexation area that have not yet started receiving City service
 - Eliminate curbside glass recycling,
 - add all items accepted by Friedman
 - provide drop-off location for glass in MHP
 - Switch to automated collection – deliver 500 carts
- Cost Estimate:
 - Unknown cost of using Friedman contract for pilot only
 - Staff cost for strong one-on-one outreach and data collection
 - 500 carts and 1 truck about \$205,000
- Benefits of Pilot
 - Allows test of full Option 3 without the cost to determine how effective it would be in Santa Fe
 - Allows adjustment of program and development of effective outreach tools prior to full implementation

Staff recommendations

- Wait and incorporate data and recommendations from Comprehensive Solid Waste Study when it's ready
- Provide larger initial education and outreach funding for and include ongoing outreach funding (About \$64K initial + \$25.5K annual + staff)
- Initiate Pilot program
- Develop program to address increased contamination
- Implement pay-as-you-throw with full rollout either simultaneously or as a second phase.